

**A.H. KUIPERS**

**A Dictionary of**  
**Proto-Circassian Roots**



A D I C T I O N A R Y O F  
P R O T O - C I R C A S S I A N R O O T S

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The material presented here was originally intended for internal use. The Peter de Ridder Press has kindly suggested to publish it in offset form. I welcome this opportunity to give it a wider distribution. I hope it will be of some use to colleagues elsewhere. Their suggestions and criticisms are invited.

I very warmly thank Mr. Rashid Dahabsu of River Edge, New Jersey, U.S.A. for his untiring assistance in providing Bžedux material, and also Mr. Nazim Net of Utrecht, The Netherlands for helping out with Sapsug forms.

I hope this booklet marks an advance along the road mapped out by N.F. Jakovlev in his 1927 Materialy dlja kabardinskogo slovarja. I know this remarkable linguist was mentally incapacitated and could not be visited in 1962 when I was in Moscow. Today I do not know whether to dedicate this contribution to him or to his memory. But l'homme c'est rien, l'oeuvre c'est tout, and his work is alive and will continue to be.

To N. F. Jakovlev

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## I N T R O D U C T I O N

PURPOSE This dictionary of Proto-Circassian elements is meant to be a contribution towards establishing strict sound-correspondences between the North-West Caucasian languages: Circassian, Ubykh and Abkhaz. A reconstruction of the Proto-Circassian sound system was carried out by the author in 1963 (see references at the end of this introduction). The next step, taken here, is to present a large number of elements for which the Proto-Circ. form can be established. These will allow comparison with Ubykh and Abkhaz.

CIRCASSIAN Circassian falls into two distinct dialect-groups, each served by a literary language: West Circassian (adygejskij jazyk) and East Circassian (kabardinskij jazyk). For our purpose the most important W. dialects are Bžedux, Šapsug and Temirgoj, the literary dialect; of the E. dialects, the literary Kabardian is better known than the phonetically richer Beslenej.

SOURCES The sources used for this dictionary consist of Bžedux field notes collected in the 'fifties with the collaboration of Mr. Rashid Dahabsu, of the dictionaries of the literary languages which have appeared since then, and of a few dialect vocabularies. Additional information was supplied in 1975 by Mr. Dahabsu by letter and by Mr. Nazim Met (Šapsug) through the intermediary of Mr. H.J.A.J. Smeets.

LIMITATIONS The dictionary is limited to items of the types CV and CVCV, where C stands for a consonant(-cluster) and V for a or e. The units CVCV presented encompass all unanalyzable cases that were found, and a number of analyzable ones. The latter were included for a variety of reasons: they contain unique components, have unpredictable meanings, demonstrate the use of bound forms, etc. Only stems are listed, including bound forms but to the exclusion of grammatical affixes. The material is further limited in that, besides field notes, it is based on a perusal of the Circassian-Russian dictionaries, the Russian-Circassian ones being checked in individual cases only. A third limitation is imposed by the available material itself: only such items are given the reconstruction of which is uniquely determined.

RECONSTRUCTION For a reconstruction it suffices in general to have the Bžedux and the Kabardian forms; where the two are in one-to-one correspondence a single form suffices. However, the dictionaries of the literary Temirgoj dialect contain many items not represented in my Bžedux material, and in Temirgoj the voiceless aspirated (p<sup>h</sup>, š<sup>h</sup>, etc.) and unaspirated (p:, š:, etc.) plosives and fricatives have coincided. In the case of the plosives, the a-

vailability of a Kabardian cognate allows a reconstruction, as in Kabardian *p*: has coincided not with *p<sup>h</sup>* but with *b*, *t*: with *d*, etc. Hence the Temirgoj/Kabardian correlation *p/p* points to \**p<sup>h</sup>* (Bžedux *p<sup>h</sup>*), the correlation *p/b* to \**p*: (Bžedux *p*:) and *b/b* to \**b* (Bžedux *b*). In the case of the fricatives no reconstruction is possible without the Bžedux form, cf. the Temirgoj/Kabardian correlations *š'/š* (Bžedux *š<sup>h</sup>* or *š:*) and *š/š* (Bžedux *š<sup>h</sup>* or *š:*). On the other hand, in Bžedux and Temirgoj the velar plosives (*k*-series) have coincided with the palatalized palatal ones (*č'*-series), and here a Kabardian (or Šapsug) cognate is required, cf. the Bžedux-Temirgoj/Kabardian correlations *č'/g* or *ž*, *č'/k* or *š*, etc.

PROTO-CIRCASSIAN PHONEMES For every Proto-Circassian phoneme the conditions for its reconstruction can be stated in the above way. These conditions will also follow from a statement of the original sound system and of the developments resulting in the dialects on which this study is based: Bžedux, Temirgoj and Kabardian. The Proto-Circ. system of consonants -- more precisely, of uniconsonantal segments C(a) -- is given below, the feature a being disregarded. I agree with Balkarov (1970:258) that the units written \**?*, \**?*<sup>o</sup> in 1963 are better ranged in the uvular series as \**q*, \**q<sup>o</sup>*. There is no Circassian evidence, however, for either voiced uvulars (pharyngals in Balkarov's terminology) or unrounded alveolopalatal affricates (ibid.).

Labials	<i>p<sup>h</sup></i>	<i>p:</i>	<i>b</i>	<i>č</i>		
Dental Stops	<i>t<sup>h</sup></i>	<i>t:</i>	<i>d</i>	<i>č</i>		
Dental Affricates	<i>c<sup>h</sup></i>	<i>c:</i>	<i>č</i>		<i>s</i>	<i>z</i>
Alveolopalatalals					<i>š</i>	<i>ž</i>
Id., labialized	<i>ç<sup>h</sup><sup>o</sup></i>	<i>ç<sup>o</sup></i>	<i>č<sup>o</sup></i>		<i>š<sup>o</sup></i>	<i>ž<sup>o</sup></i>
Palatals, palatalized	<i>č<sup>h</sup></i>	<i>č<sup>o</sup></i>	<i>č<sup>o</sup></i>	<i>č<sup>o</sup></i>	<i>š<sup>h</sup></i>	<i>š<sup>o</sup></i>
Id., plain	<i>č<sup>h</sup></i>	<i>č:</i>	<i>č</i>	<i>č</i>	<i>š<sup>h</sup></i>	<i>š:</i>
Laterals					<i>λ</i>	<i>l</i>
Velars	<i>k<sup>h</sup></i>	<i>k:</i>	<i>g</i>	<i>č</i>	<i>x</i>	<i>g</i>
Id., labialized	<i>k<sup>h</sup><sup>o</sup></i>	<i>k<sup>o</sup></i>	<i>g<sup>o</sup></i>	<i>č<sup>o</sup></i>	<i>x<sup>o</sup></i>	
Uvulars	<i>q<sup>h</sup></i>	<i>q:</i>	<i>q</i>		<i>χ</i>	<i>g</i>
Id., labialized	<i>q<sup>h</sup><sup>o</sup></i>	<i>q<sup>o</sup></i>	<i>q<sup>o</sup></i>		<i>χ<sup>o</sup></i>	<i>g<sup>o</sup></i>
Pharyngal					<i>h</i>	
Others: <i>h, y, w, m, n, r</i>						

DEVELOPMENTS The following abbreviations are used here and in the dictionary: B(žedux), T(emirgoj), Š(apsug), K(abardian), Be(slenej). As the overwhelming majority of the reconstructions are based on B, T and K, we treat only these dialects here, with an indication of Š features only insofar as they have been made use of (in the absence of K data).

B T K \*<sup>q</sup>, \*<sup>q°</sup> > ?, ?° (parlers of  $\check{S}$  preserve  $\check{q}$ ,  $\check{q}^°$ )

B T \*x° > f (except in  $\check{S}x^°$ , preserved in T, >  $\check{S}k:^°$  in B)

\* $\check{c}^h$ , \* $\check{c}h$  >  $\check{sh}$ ,  $\check{sh}$  (merger)

\*k<sup>h</sup>, \*k:, \*g, \*k >  $\check{c}^h$ ,  $\check{c}:$ ,  $\check{z}$ ,  $\check{c}^h$  (merger for the latter three; the shift \* $\check{c}^h$  >  $\check{sh}$  antedates \*k<sup>h</sup> >  $\check{c}^h$ )

T All voiceless-aspirated and -unaspirated consonants merge (\*p<sup>h</sup>, \*p: > p, etc.) \*q<sup>h</sup>, \*q: > q; \*q<sup>h°</sup>, \*q:° > q°

K Voiceless unaspirated plosives merge with voiced ones (\*p:, \*b > b, etc.); \*q:, \*q:° >  $\check{q}$ ,  $\check{q}^°$

\* $\check{q}^h$ , \* $\check{q}^h$  > f;  $\check{z}$  (< \* $\check{q}^h$ , \* $\check{z}^h$ ),  $\check{z}^h$  > v;  $\check{q}^h$  > f

Aspirated fricatives merge with voiceless unaspirated ones (\* $\check{sh}$ , \* $\check{s}$  >  $\check{sh}$ , etc.)

Plain and palatalized palatals merge (\* $\check{s}$ , \* $\check{s}$  >  $\check{s}$ , etc.)

$\check{c}$  (< \* $\check{c}^h$ , \* $\check{c}h$ ) >  $\check{s}$ ;  $\check{z}$  (< \* $\check{c}:$ , \* $\check{c}:$ ,  $\check{z}^h$ ) >  $\check{z}$ ;  $\check{s}$  (< \* $\check{sh}$ , \* $\check{s}:$ , \* $\check{sh}$ , \* $\check{s}:$ ) >  $\check{s}$ ; \* $\check{c}$  (< \* $\check{c}^h$ , \* $\check{c}^h$ ) >  $\check{s}$

$\check{S}$ , like K, merges the plain and palatalized palatals and preserves the velar plosives. Some parlers of  $\check{S}$ , including that of Mr. Met, where the other aspirated and unaspirated consonants coincide (as in T), retain the distinction of \*q<sup>h</sup>, \*q<sup>h°</sup> versus \*q:, \*q:° in the form  $\check{x}$ ,  $\check{x}^h$  versus q, q°, the aspirated members having merged with the corresponding voiceless fricatives. Both these characteristics of  $\check{S}$  have been used in some cases where a K cognate was lacking.

LIST OF PROTO-CIRCASSIAN SEGMENTS Complexes CV are regarded as the phonetic units of reconstruction. Where C is a cluster, the non-final members have no independent laryngeal articulation, and in reconstructed forms they are written with capitals. The majority of biconsonantal segments contain an initial P (33x), less common are T (7x),  $\check{S}$  (5x),  $\check{S}$  (5x), occasionally we find S  $\check{S}^h$   $\check{S}^h$   $\check{C}$  L. In the list of reconstructed segments we disregard the feature a (and e is non-phonemic on the level of morphemes; in the dictionary it is written to facilitate reading). The order of the list is from front to back (labials, dentals, etc.); this same order is used throughout the dictionary. Biconsonantal cases are ordered according to their final element (\*Px, \*Tx after \*x, etc.) except for the segments with \*- $\check{q}$ , \*- $\check{q}^h$  (see comments below). With each reconstructed segment the Bžedux/Kabardian correspondence defining it is given. (List see p. 6)

The segments \*P $\check{q}$ , \*P $\check{q}^h$  are given with \* $\check{p}$  (4), the segment \*T $\check{q}^h$  with \* $\check{t}$  (14) and \* $\check{S}^h$  with  $\check{s}$  (29). In all these cases there is an historical development of the type P $\check{q}^h$  > P $\check{p}^h$  >  $\check{p}^h$  >  $\check{p}$ , one dialect often having alternative forms in individual words. The segments \*P $\check{c}$  and  $\check{S}^h$  $\check{c}$  are given under one heading (20) because the distinction is limited to  $\check{S}$  and the data are conflict-

1. *p <sup>h</sup>	p <sup>h</sup> /p	31. *ʂ <sup>h</sup> o	ʂ <sup>h</sup> o/f	68. *k <sup>h</sup>	č <sup>h</sup> /k	104. *q <sup>h</sup> o	q <sup>h</sup> o/q <sup>o</sup>
2. *p:	p:/b	32. *ç: <sup>o</sup>	ç: <sup>o</sup> /v	69. *k:	č: <sup>o</sup> /g	105. *q: <sup>o</sup>	q: <sup>o</sup> /q <sup>o</sup>
3. *b	b/b	33. *ʒ <sup>o</sup>	ʒ <sup>o</sup> /v	70. *Pk:	pč: <sup>o</sup> /bg	106. *q <sup>o</sup>	z <sup>o</sup> /z <sup>o</sup>
4. *p'	p'/p'	34. *ʂ <sup>o</sup>	ʂ <sup>o</sup> /f	71. *g	ʒ <sup>o</sup> /g	107. *x <sup>o</sup>	x <sup>o</sup> /x <sup>o</sup>
*P <sup>h</sup>	p'/p'	35. *z <sup>o</sup>	z <sup>o</sup> /v	72. *k'	č <sup>o</sup> /k'	108. *Px <sup>o</sup>	p <sup>o</sup> /p <sup>o</sup>
*P <sup>h</sup> o	p <sup>o</sup> /p'	36. *ʂ <sup>o</sup>	ʂ <sup>o</sup> /f	73. *Pk'	pč <sup>o</sup> /pk'	109. *Tx <sup>o</sup>	t <sup>o</sup> /t <sup>o</sup>
5. *t <sup>h</sup>	t <sup>h</sup> /t	37. *č <sup>h</sup>	š <sup>h</sup> /š	74. *šk'	šk'/šk'	110. *šx <sup>o</sup>	šx <sup>o</sup> , šx <sup>o</sup> /šx <sup>o</sup>
6. *St <sup>h</sup>	st <sup>h</sup> /st	38. *Pč <sup>h</sup>	pš <sup>h</sup> /pš	75. *x	x/x	111. *g <sup>o</sup>	g <sup>o</sup> /g <sup>o</sup>
7. *š't <sup>h</sup>	š't <sup>h</sup> /št	39. *č: <sup>o</sup>	č: <sup>o</sup> /ž	76. *Px	px/px	112. *Pg <sup>o</sup>	b <sup>o</sup> /b <sup>o</sup>
8. *št <sup>h</sup>	št <sup>h</sup> /št	40. *Pč: <sup>o</sup>	pč: <sup>o</sup> /bž	77. *Tx	tx/tx	113. *n	n/n
9. *t:	t:/d	41. *ʒ <sup>o</sup>	ʒ <sup>o</sup> /ž	78. *š'x	š'x/šx	114. *Tr	t <sup>h</sup> /t <sup>h</sup>
10. *St:	st:/s(t)	42. *Pʒ'	bʒ'/bž	79. *šx	šk:/šx	115. *šn	šn/šn
11. *š't:	š't:/št	43. *č'	č'/š	80. *g	g/g	116. *Lñ	λñ/λñ
12. *š <sup>o</sup> t:	š <sup>o</sup> t:/ft	44. *Pč'	pč'/pš	81. *Pg	b <sup>o</sup> /b <sup>o</sup>		
13. *d	d/d	45. *šh'	šh'/š	82. *k <sup>h</sup> o	k <sup>h</sup> o/k <sup>o</sup>	117. *h	h/h
14. *t	t/t	46. *Pšh'	pšh'/pš	83. *k: <sup>o</sup>	k: <sup>o</sup> /g <sup>o</sup>	118. *y	y/y
*T <sup>h</sup> o	t <sup>o</sup> /t	47. *š: <sup>o</sup>	š: <sup>o</sup> /š	84. *g <sup>o</sup>	g <sup>o</sup> /g <sup>o</sup>	119. *w	w/w
15. *c <sup>h</sup>	c <sup>h</sup> /c	48. *Pš: <sup>o</sup>	pš: <sup>o</sup> /pš	85. *k <sup>o</sup>	k <sup>o</sup> /k <sup>o</sup>	120. *m	m/m
16. *c:	c:/ʒ	49. *ž'	ž'/ž	86. *T <sup>h</sup> o	t <sup>h</sup> o/t <sup>h</sup> o	121. *n	n/n
17. *Pc:	pc:/bʒ	50. *Pž'	bž'/bž	87. *šk <sup>o</sup>	šk <sup>o</sup> /šk <sup>o</sup>	122. *r	r/r
18. *ʒ	ʒ/ʒ	51. *čh	šh/š	88. *x <sup>o</sup>	f/x <sup>o</sup>		
19. *č	č/č	52. *Pčh	pšh/pš	89. *Tx <sup>o</sup>	tf/tx <sup>o</sup>	123. *Pš't <sup>h</sup>	pš't <sup>h</sup> /pst
20. *Pč	pč/pč	53. *č:	č:/ž	90. *čx <sup>o</sup>	šk: <sup>o</sup> /šx <sup>o</sup>	124. *PSt:	pst:/...
*š <sup>o</sup> c	pč, š <sup>o</sup> /pč	54. *Pč:	pč:/bž	*šx <sup>o</sup>	šk: <sup>o</sup> /šx <sup>o</sup>	125. *PSk <sup>h</sup>	pč <sup>h</sup> /psk
21. *s	s/s	55. *č	č/š	91. *Lx <sup>o</sup>	λf/λx <sup>o</sup>	126. *PSk	pč/psk
22. *Ps	ps/ps	56. *Pč	pč/pš	92. *q <sup>h</sup>	q <sup>h</sup> /q	127. *PSk <sup>o</sup>	.../psk <sup>o</sup>
23. *z	z/z	57. *šh	šh/š	93. *q:	q:/q	128. *STx	stx/stx
24. *Pz	bz/bz	58. *š:	š:/š	94. *Pq:	pq:/pq	129. *STx <sup>o</sup>	stx <sup>o</sup> /...
25. *ʂ	ʂ/ʂ	59. *Pš:	pš:/pš	95. *q	z/?	130. *Psh	.../psh
26. *Pʂ	pʂ/pʂ	60. *ž	ž/ž	96. *x	x/x		
27. *ʐ	ʐ/ʐ	61. *Pž	bž/bž	97. *Px	p <sup>o</sup> /p <sup>o</sup>		
28. *Pʐ	bʐ/bʐ	62. *λ	λ/λ	98. *Tx	t <sup>o</sup> /t <sup>o</sup>		
29. *ʂ	ʂ/ʂ	63. *Pλ	pλ/pλ	99. *Sx	s <sup>o</sup> /s <sup>o</sup>		
*ʂq	ʂ/ʂ	64. *i	i/i	100. *ʂx	ʂx, s <sup>o</sup> /ʂx		
30. *Pʂ	pʂ/pʂ	65. *Pl	bl/bl	101. *g	g/g		
		66. *λ	λ/λ	102. *Pg	b <sup>o</sup> /b <sup>o</sup>		
		67. *Pλ	pλ/pλ	103. *ʂg	ʐg, z <sup>o</sup> /ʐg		

LIST  
of Proto-Circ.  
segments with  
Bžedux-Kabardian  
correspondences.

ing. The same is true of the distinction between \* $\check{C}x^o$  and \* $\check{S}x^o$  (90), noted in several dialects by Jakovlev (1930:VIII), but unclear in later sources and not made in the dialects of my informants. In both the latter cases one segment is clearly a contraction: \* $\check{S}^o\check{c}a$  < \* $\check{S}^o\check{e}\check{c}a$  black, \* $\check{C}x^o\check{a}$  < \* $\check{c}^h\check{e}x^o\check{a}$  rein (cf. \* $\check{c}^h\check{e}$  horse, \* $x^o\check{a}$  sinew, tendon). Sapsug continues \* $\check{c}$  as  $\check{s}$  in part of the cases (and \* $P\check{c}$  always as  $p\check{s}$ ). I do not think that this distinction is old. And with the meaning black  $\check{S}$  has - $p\check{s}a$  besides - $\check{s}^o\check{t}a$ , e.g., in q: $^o\check{a}p\check{s}a$  swarthy, yatap\check{s}a chernozem (Kerasheva 1957:40), so that this distinction, too, may be recent.

CONNECTIVES Both analyzable and unanalyzable units CVCV may contain a connective element -m-, -n- or -r-, and dialects may differ as to presence and type of such an element. Where such connectives occur, they are given in the reconstructed form, e.g., \*CVnCV if all dialects have -n-, \*CV<sup>r</sup>/nCV if some dialects have -r-, others -n-, \*CV(n)CV if some dialects have -n- and others lack a connective. A connective -ah- (=  $\bar{a}$ ) is not given in reconstructed forms as in the dialects its presence is almost totally phonetically conditioned: it is present in units CaCa, i.e. when both segments have the feature a. The connectives -m-, -n-, -r- occasionally form an open syllable by themselves; for instance, berry of the snowball tree has the form  $z\check{a}n\check{z}'e$  or  $zare\check{z}'a$  in Temirgoj,  $zarg$  in Sapsug,  $zarega$  in Kabardian. This feature is disregarded in the reconstructed form \*za<sup>r</sup>/ng(a), where the a in parentheses indicates that the second element CV may have a or e.

THE FEATURE A The presence vs. absence of a may be grammatical, the forms with a being intransitive (vs. transitive), adverbial (vs. nominal), illative (vs. elative). In addition, dialects or even one dialect may show variation as to the presence of a. In both types of cases the reconstructed form is given with a in parentheses.

ORGANIZATION OF DICTIONARY Each item in the dictionary is given first in its reconstructed form and then in the W. and/or E. Circ. forms on which the reconstruction is based. The W. and E. Circ. forms are separated by a slash "/". As practically all the E. Circ. words are Kabardian, the letter K is omitted after the slash. If meanings differ in W. and E. Circ., they are also separated by a slash. If an item is not found in W. resp. E. Circ. the slash is preceded resp. followed by three dots. Where possible, for W. Circ. the B form is given. Where T or  $\check{S}$  forms are quoted this does not mean that the item is unknown in B but only that it is not represented in my material.  $\check{S}$  forms furnished by Mr. Met are marked SM.

The units CVCV are listed twice, under the headings of both C<sub>1</sub> and C<sub>2</sub>, so that any heading lists all instances of the element concerned. For instance, the word  $\check{s}^o\check{e}z\check{e}$  woman is listed both under 34 \* $\check{s}^o$  and under 23 \* $z$ . The dialect forms and any other comments are given with the alphabetic list-

ing under C<sub>1</sub>. The -C<sub>2</sub> listings (e.g. that of \*ş<sup>o</sup>əzə under \*z) are accompanied by a translation and, in case the item is known from either W. or E. Circ. exclusively, by an indication of the dialect source. The absence of such an indication means that the item is common to W. and E. Circ.

Since any heading lists all instances of the segment concerned, analyzable units CVCV are listed without explicit reference to their parts, e.g., \*Pčaş<sup>o</sup>a treebark is listed without reference to \*Pča wood, etc. and \*ş<sup>o</sup>a skin, bark. References to related units are given only in less obvious cases. Possible but uncertain connections are indicated by "cf?".

In a number of cases the dialect forms quoted include affixes. The most common of these are the indirect object prefix ya-, the causative prefix ǵa- and the verbal noun suffix -n. The petrified prefix wə- (Dumézil-Namitok 1939) is treated like any other stem-segment in units \*wəCV, but units \*wəCVCV are included in the dictionary in the alphabetic place of -CVCV.

In W. Circ. forms final a and e are always written, also in cases where they are dropped word-finally. Kabardian forms are given as pronounced because they preserve final a and have the zero variant of -Ce in CVC, so that the actual forms provide the maximum of etymological information.

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ABBREVIATIONS AND SYMBOLS

Abaz.	Abazinian	Oss.	Ossetian
Abkh.	Abkhaz	Pers.	Persian
B	Bžedux	poss.	possibly
Balk.	Balkar	prob.	probably
Be	Beslenej	Russ.	Russian
bot.	botanical term	<u>sb.</u>	<u>somebody</u>
cf?	doubtful comparison	<u>stg.</u>	<u>something</u>
dial.	dialectally	Ş	Sapsug
esp.	especially	ŞM	Sapsug of Mr. Met
geogr.	geographical term	T	Temirgoj
Geo(rg).	Georgian	tr.	transitive
(in)tr.	form with <u>a</u> is itr., form without <u>a</u> is tr.	Tu	Turkish
Germ.	German	Ub.	Ubykh
itr.	intransitive	w.	with
Kar.	Karachay	zool.	zoological term
orig.	originally		

C(a) both Ca and Ce

/ separates W. and E. Circ. forms and meanings.

.../, /... form not found in W. resp. E. Circ.

TYPOGRAPHICAL NOTE

Note carefully the letters ڇ ڏ ڙ ڻ

which stand for ڇ ڏ ڙ ڻ

1. p<sup>h</sup>

\*p<sup>h</sup>a -- B p<sup>h</sup>a/pa nose, front, beginning, etc.

\*p<sup>h</sup>(a) -- B zag<sup>o</sup>a-p<sup>h</sup>a-n/zag<sup>o</sup>a-p to be speechless (e.g. from anger)/ to be angry (zag<sup>o</sup>a- Germ. auseinander, Russ. raz-).

\*p<sup>h</sup>əzə -- B p<sup>h</sup>əzə/pəz hedgehog/blackthorn (K pəz-bāna hedgehog, see \*p:ana).

\*p<sup>h</sup>ələ -- T pələ/pəl (Tu. fil; younger loan in T: feyl).

\*p<sup>h</sup>əg(a) -- B p<sup>h</sup>əjá, ya-p<sup>h</sup>əj'ə/pəga, ya-pəg to butt, gore.

\*p<sup>h</sup>ər̥(a) -- T pər̥xa/pər̥ka to snore, T čeyə-pər̥xe snoring (noun).

\*p<sup>h</sup>əq<sup>o</sup>a -- B p<sup>h</sup>ā<sup>o</sup>a/pe<sup>o</sup>a cap, hat.

\*p<sup>h</sup>ər̥x<sup>o</sup>a -- .../pər̥x<sup>o</sup>a passageway, porch.

\*p<sup>h</sup>əP̥x<sup>o</sup>a -- .../pəp̥x<sup>o</sup>a haystack.

\*p<sup>h</sup>əhā -- T pəhā-n/pəhā to cry, howl, sob.

\*p<sup>h</sup>ath<sup>o</sup>a -- B ȣa-p<sup>h</sup>ath<sup>o</sup>a-n/... to damage, wear out (a surface).

\*p<sup>h</sup>a(m)P̥c(a) -- B p<sup>h</sup>ap̥ca/pā(m)p̥ca sharp point, edge; sharp, K wəpap̥c to sharp-en.

\*p<sup>h</sup>ase -- S p<sup>h</sup>asə/Be pase to be worthy of (cf? Geo. pasi)

\*p<sup>h</sup>asa -- B p<sup>h</sup>asa/pāsa early, long ago.

\*p<sup>h</sup>aP̥za -- B p<sup>h</sup>ab̥za/pāb̥za bush, shrub (T pāb̥za thick, high grass, especially at roadside).

\*p<sup>h</sup>ac<sup>o</sup>a -- B p<sup>h</sup>ac<sup>o</sup>a/pāša moustache.

\*p<sup>h</sup>aP̥c<sup>o</sup>a -- B p<sup>h</sup>ap̥c<sup>o</sup>a/pāp̥ša because

\*p<sup>h</sup>ac<sup>h</sup>ə -- B p<sup>h</sup>aš<sup>h</sup>ə/paš room.

\*p<sup>h</sup>ac<sup>h</sup>ə -- B p<sup>h</sup>aš<sup>h</sup>ə/pāša leader (Pers. pādšāh king; T has, besides pāš<sup>o</sup>a, also pāša pasha from Tu paşa).

\*p<sup>h</sup>aP̥c:<sup>o</sup> -- T papčə/pabž every time/equal, equivalent.

\*p<sup>h</sup>ala -- T pāl/pāla as if / similar, same (K hada-pāla stepfather).

\*p<sup>h</sup>aP̥lə -- T paplə/papl red-nosed.

\*p<sup>h</sup>aka -- T pāč<sup>o</sup>a/pāka stretch, interval, zone.

\*p<sup>h</sup>aga -- B p<sup>h</sup>agə/pāga haughty.

\*p<sup>h</sup>aP̥gə -- T pabgə/pabg bridge of nose.

\*p<sup>h</sup>ak:<sup>o</sup>a -- B p<sup>h</sup>ak:<sup>o</sup>a/pāg<sup>o</sup>a blunt.

\*p<sup>h</sup>ag<sup>o</sup>a -- B p<sup>h</sup>ag<sup>o</sup>a/pāg<sup>o</sup>a carp, fish (generic); blunt-nosed / blunt.

\*p<sup>h</sup>ak<sup>o</sup>a -- B p<sup>h</sup>ak<sup>o</sup>a/... saddle flap.

\*p<sup>h</sup>ax<sup>o</sup>ə -- T pafə/pax<sup>o</sup> white-nosed.

\*p<sup>h</sup>aq:<sup>o</sup>a -- B p<sup>h</sup>aq:<sup>o</sup>a/pāq<sup>o</sup>a snub-nosed.

\*p<sup>h</sup>aT̥xa -- B p<sup>h</sup>at̥xa/... ragamuffin.

\*p<sup>h</sup>aP̥ga -- .../pābga striving, eager, burning with desire.

\*p<sup>h</sup>aš̥ha -- B p<sup>h</sup>aš̥ha/pāšha before, in presence of; K also place of honor away from door (cf. \*Flaš̥ha).

\*p<sup>h</sup>am(a) -- B p<sup>h</sup>ama, ya-p<sup>h</sup>ame/pāma, ya-pam to smell (something).

*č'apʰe	<u>hemp</u>	*g <sup>o</sup> epʰa	<u>front surface</u>
*q:apʰe	K <u>sack</u>	*g <sup>o</sup> apʰa	<u>pleasure</u>
*x <sup>o</sup> epʰe	K <u>to lap up; large wooden spoon</u>	*x <sup>o</sup> apʰa	<u>to dress, tr.</u>
*nepʰe	K <u>flag</u>	*qapʰa	<u>finger</u>
*čepʰa	<u>end, tip / (single) hair</u>	*Pčapʰa	B <u>small stick</u>
*Psapʰa	<u>good deed / blessing</u>	*q: <sup>o</sup> apʰ(a)	<u>corner (as of table), angle</u>
*Pčapʰa	<u>precipice</u>	*q <sup>o</sup> epʰa	<u>mouth, lips</u>
*Pč'apʰa	<u>dusk</u>	*g <sup>o</sup> apʰa	<u>sleeve</u>
*šh'epʰa	<u>first / for the 1st. time</u>	*Tha(m)pʰa	<u>leaf of tree</u>
*šhepʰ(a)	<u>to collect (K also to peck)</u>	*(P)šhapʰa	K <u>useful(ness)</u>
*k <sup>h</sup> empʰa	K <u>twig, dry branch</u>	*napʰa	<u>face</u>
*kapʰa	<u>fatty sheeptail</u>		
*Txepʰa	T <u>edge of elevation (geogr.)</u>		

## 2. p:

*p:a	-- B p:a/... <u>to be out of breath</u> , B ća-p:a-n <u>to irritate, exasperate sb.</u>
*p:et:a	-- B p:et:a/beda <u>strong, solid</u> , K also <u>stingy</u> .
*p:eye	-- B p:eye/bey <u>enemy</u> , T also <u>scarecrow</u> .
*p:ača	-- B p:áča/báča <u>steam</u> .
*p:ana	-- B p:ána/bána <u>prickle, thorn(bush)</u> , T also <u>splinter</u> (K pežbána, cežbána <u>hedgehog</u> ).

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*sap:a	<u>dust</u>	*g <sup>o</sup> ap:a	B <u>it is stuffy, stifling</u>
*k:ap:a	<u>side (of body, hill)</u>		

## 3. b

*bə	-- B bə/λa-m-b <u>den (of animal) / footprint</u> .
*bə	-- T ča-bə/... <u>to sink</u> (ča- pref. <u>under</u> ), T pxere-be-n <u>to fall through</u> (e.g. <u>ice</u> ) (pxere- pref. <u>through</u> ); cf? K xa-ća-mb <u>to stick into (a mass xa-)</u> , tr., pxə-ća-mb <u>to press through</u> .
*ba	-- B ba/ba <u>much</u> , B bá-ć <sup>o</sup> a/báć <sup>o</sup> a <u>abundant</u> .
*ba	-- B ya-ba/ć-ay-ba, ya-ba-ć <u>to slant, incline, heel over, bow</u> .
*ba	-- T ʂ <sup>o</sup> ez-ā-ba/fəz-ā-ba <u>widow</u> (ʂ <sup>o</sup> eze/fəz <u>woman</u> ), T λeć-ā-ba <u>widower</u> , T ye-ba/yeba <u>orphan</u> .
*bebə	-- Bbebə/bəb <u>to fly/to flutter</u> .
*bet:e	-- B bet:e/... <u>hunchbacked</u> .
*webet:e	-- B webet:e/webəd <u>to catch, grab</u> .
*bežə	-- B bežə/bež <u>woman's breast</u> .

\*bə(n)ʒ'(a) -- T nəbəʒ'ə/bənža navel (order and status of segments in reconstruction uncertain; Ub. nəbəʒ', Abaz. bənž'a, Abkh. a-č'apan).

\*bəλə -- T ɣa-bəλə-n/... to hide, tr.

\*bəxə -- Ծ ya-bəxə-n/... to fall through (ice), vanish.

\*bək'ə -- T bək'ə/... little calf.

\*bəq'ə(a) -- T bə?°a/be?°a crooked, misshapen, T txə-be?°/txəbe?° hunchbacked, T bə?°abəš'ə/bə?°abəša deformed, misshapen.

\*bəx'ə -- B bəx'ə/bəx'° wide (as of clothes, opening).

\*bəg'ə -- T bəg'ə/... pedigreed bull (cf? Tu. buğa).

\*bəya -- Ծ bəya/... mole (zool.).

\*bəwə -- B bəwə/bew to moo.

\*bəne -- B bənə/bən (children of) family (cf? Oss. byn inheritance).

\*bambe -- T bambe/... lever, jack.

\*wəbatħa -- B wəbatħa-n/... to break (e.g. a plate), tr.

\*barta -- T tħ'ə-barta/... fresh, fluffy butter (tħ'ə butter).

\*baʒa -- B bəʒa/bəʒa fly (zool.).

\*baʒ'ə -- B ɣa-baʒ'ə/bav year ɣa with good harvest / harvest.

\*bačħ'ə -- B bačħ'ə/baš stick (K ā exceptional).

\*baʒ'a -- B bəʒ'a/bəža fox.

\*bage -- B baʒ'ə/bag spider.

\*baġe -- B baġe/baġ to swell.

\*bag'ə -- B bag'ə/bag'° pimple, scab, rash, B ɣaġabag'ə/ɣaġabag'° mushroom.

\*baqħ'ə -- B baqħ'ə/baq cowshed.

\*baq:ə -- T ħasa-baq:ə/(ħasa)baq:° furrow/boundary (between plots ħasa).

\*baq:əa -- B bəq:əa/bəq:°a to step, stride.

\*baġ'ə -- T baġ'ə/baġ'ə to be(come) rich, esp. of harvest/to multiply, itr.

\*baye -- B bəye/bay rich (cf? Tu. bey).

\*baw(a) -- T bawa-n, B ya-bawə/bāwa, ya-baw to kiss/to breathe.

\*bama -- B bāma/bāma stench.

\*banə -- B banə/ban coffin (T grave).

\*ban(a) -- B ya-ban/bāna, ya-ban to fight.

\*bana -- B bāna/bāna to bark.

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*bəbə	<u>to fly/to flutter</u>	*labə	<u>T moist</u>
*bambe	T <u>lever, jack</u>	*kħ'ərħ'ə	/mbə <u>hole, hollow</u>
*šəbe	Ծ <u>to fill (as sack)</u>	*x'əmbe	T <u>quiet, still</u>
*Pšabe	T <u>back of neck</u>	*q:əbə	<u>pumpkin</u>
*č'əbə	<u>back, rear</u>	*š'ərħə	<u>wild grape/gooseberry</u>
*Pžabe	<u>cupped hand, handful</u>	*q'əbə	<u>gulp/to gulp</u>
*λabə	B <u>butt of rifle, T also heel</u>	*q'əbə	<u>to overturn</u>
*λambə	K <u>footprint</u>	*g'ə(a)ħ'ə	/mbə T <u>burrow, hole</u>

*Tha(m)be	<u>lungs</u>	*( <p>č<sup>o</sup>amba</p>	<u>finger, toe</u>
*šaba	<u>soft (material, character)</u>	*Tx <sup>o</sup> e <sup>r</sup> /mba	<u>foam</u>
*š <sup>o</sup> aba	T <u>(to do stg.) in a hurry</u>	*haba	<u>chasuble-type garment</u>
*x <sup>o</sup> aba	<u>warm</u>	*web(a)	<u>to trample, pound, crush;</u> <u>to slander</u>
*x <sup>o</sup> aba	<u>a soup w. lumps of dough</u>	*neba	
*qaba	<u>(to stretch out the) hand,</u> K also <u>to steal</u>		<u>belly</u>

4. p, Pq, Pq<sup>o</sup>

(The three possibilities are not ordered alphabetically. \*Pq, \*Pq<sup>o</sup> are written where there is evidence from any dialect. Probably Proto-Circ. itself had alternative forms for a number of elements).

- \*Pq<sup>o</sup>(a) -- B p<sup>o</sup>(a)/p(a) to raise (children), bring up, (in)tr.
- \*pa -- .../p<sup>o</sup>a imprint, trace.
- \*Pqa -- B p<sup>o</sup>a S pqa/pa bed, bedding.
- \*Pq<sup>o</sup>a -- B p<sup>o</sup>a S p<sup>o</sup>a/pa place.
- \*Pq<sup>o</sup>a -- B tya-p<sup>o</sup>a/tay-pa to cover (tya- on), T p<sup>o</sup>a, p<sup>o</sup>a cover, lid, shell, sheath, etc.
- \*p<sup>o</sup>et(a) -- B p<sup>o</sup>ete/p<sup>o</sup>et to crush, press, B da-p<sup>o</sup>eta/da-p<sup>o</sup>eta to jam, pinch (da-in). Cf. \*parta.
- \*p<sup>o</sup>ese -- B p<sup>o</sup>ese/pes future.
- \*p<sup>o</sup>ec'a -- B p<sup>o</sup>ec'a/pesa to freeze, feel cold.
- \*p<sup>o</sup>erk<sup>o</sup>e -- T p<sup>o</sup>erk<sup>o</sup>e/... compact (of fabrics).
- \*w<sup>o</sup>pešk<sup>o</sup>e -- B w<sup>o</sup>pešk<sup>o</sup>e/w<sup>o</sup>pešk<sup>o</sup> to crush, crumple, rumple.
- \*p<sup>o</sup>ezg<sup>o</sup>e -- .../p<sup>o</sup>ezg<sup>o</sup> smithereens.
- \*p<sup>o</sup>ey<sup>o</sup>e -- B p<sup>o</sup>ey<sup>o</sup>e/pay to stick out, be visible.
- \*p<sup>o</sup>ena -- T p<sup>o</sup>ena S p<sup>o</sup>ena/p<sup>o</sup>ena small kerchief used by old women.
- \*w<sup>o</sup>epap<sup>o</sup>(a) -- T ya-w<sup>o</sup>pape/... to mould, flatten; to make stg. carelessly (cf. \*Pq<sup>o</sup>ac'(a)), T fa-w<sup>o</sup>papa/... to take trouble for fa- sb., T ga-w<sup>o</sup>papa-n/ča-w<sup>o</sup>parapa-n to blink one's eyes.
- \*Pq<sup>o</sup>aPla -- B p<sup>o</sup>abla/... mat made of rushes.
- \*paSt<sup>o</sup>ha -- B p<sup>o</sup>ast<sup>o</sup>ha S p<sup>o</sup>ast<sup>o</sup>ha/pasta "pasta" (Gr. παστή barley porridge).
- \*parta -- T p<sup>o</sup>arta/... to burst, crack (e.g. as fruit), itr. Cf. p<sup>o</sup>et(a).
- \*paša -- B paša S paša/paša large, big, T also ancestor, S also grownup.
- \*Pq<sup>o</sup>ac'(a) -- B p<sup>o</sup>ac'a/paša flattened, thin (also of fluids), K w<sup>o</sup>epaš to flatten.
- \*Pq<sup>o</sup>ac'a -- B p<sup>o</sup>ac'a/paša to stir, K also to hurry.
- \*Pq<sup>o</sup>ala -- B p<sup>o</sup>ala S p<sup>o</sup>ala/pala time, term, K also habit.
- \*Pq<sup>o</sup>a(n)č<sup>o</sup>e -- B p<sup>o</sup>a(n)č<sup>o</sup>e/pank to puff, crackle, K also flying spark, flock, tuft.
- \*pašk<sup>o</sup>(a) -- B pašk<sup>o</sup>a, ya-pašk<sup>o</sup>e/pašk<sup>o</sup>a, ya-pašk<sup>o</sup> to pinch.
- \*w<sup>o</sup>epaš<sup>o</sup>e -- B w<sup>o</sup>epaš<sup>o</sup>e/... to pluck (a bird).

\*'paSTč(a) -- B pastčka, ya-'pastče/pastčka, ya-'pastčk to scratch. Cf. \*Tč(a) to tear.

\*Pč°ane -- T pčane/... scale of fish.

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*demp <small>č</small> e	T <u>to vanish</u>	*č'apa	<u>calf of leg/shin (w. λa-)</u>
*taP <small>č</small> °e	<u>to rip open</u>	*λaP <small>č</small> °a	<u>dear, expensive</u>
*lemp <small>č</small> e	K <u>to be pressed, squeezed</u>	*lepa	T <u>to be fried, grilled</u> <u>slightly</u>
*Sk <small>č</small> °emp <small>č</small> e	<u>rotten (egg)</u>	*q <small>č</small> apa	K <u>scale of fish</u>
*wepa <small>č</small> a	<u>to blink (eyes), T also</u> <u>to mould, flatten</u>	*q <small>č</small> a(m)pa	<u>dandruff, K also husk of</u> <u>grain</u>
*tepa	T <u>to crack (of corn flakes),</u> <u>itr.</u>	*qa(m)pa	<u>thing, goods, wares/bag,</u> <u>pouch; equipment; trifle</u>
*cap(a)	<u>(to make) dirty</u>	*q <small>č</small> o(m)pa	<u>bridle, reins</u>
*sa(m)pa	<u>sheath (for knife or dagger)</u>	*wepa	<u>to slaughter/to skin</u>
*P <small>č</small> a(m)P <small>č</small> °a	<u>collar</u>	*napa	<u>eyelid</u>
*s <small>č</small> ampa	T <u>husk, skin, peel</u>		
*č(a)P <small>č</small> °a	<u>land, terrain, district,</u> <u>parcel</u>		

## 5. t<sup>h</sup>

\*t<sup>h</sup>e -- B t<sup>h</sup>e/t<sup>h</sup>e to stand (only w. local prefixes).

\*t<sup>h</sup>(a) -- B t<sup>h</sup>(a)/t(a) to give, (in)tr.

\*t<sup>h</sup>erk<sup>h</sup>°e -- .../t<sup>h</sup>erk<sup>h</sup>° fatty or fleshy tumor-like growth in animal organism.

\*t<sup>h</sup>as<sup>h</sup>°a -- .../t<sup>h</sup>afa glade, field of grass (for \*s<sup>h</sup>° not \*ç<sup>h</sup>° cf. \*ç<sup>h</sup>°es<sup>h</sup>°a).

\*t<sup>h</sup>age -- B t<sup>h</sup>aʒ'ə/tag to stand up, rise.

\*t<sup>h</sup>ax<sup>h</sup>°e -- .../tax<sup>h</sup>° white.

\*t<sup>h</sup>aq:<sup>h</sup>°(a) -- T t<sup>h</sup>aq<sup>h</sup>°(a)/taq<sup>h</sup>°a to strew, pour dry substances (with local preff. ye-, xa- into, T out of, a container, resp. mass); T ga-taq<sup>h</sup>°a-n also to husk.

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*č'at <sup>h</sup> e	<u>saucer, podstavka</u>	*č'ert <sup>h</sup> a	<u>B to emit sparks</u>
*k <sup>h</sup> enth <sup>h</sup> e	K <u>(ethnic name in Nart epos)</u>	*Pset <sup>h</sup> a	<u>B to swell, suffer from</u> <u>dropsy</u>
*k <sup>h</sup> ath <sup>h</sup> e	<u>sheep-shed</u>	*wepzeth <sup>h</sup> a	<u>K to cut, shred</u>
*q <sup>h</sup> at <sup>h</sup> e	<u>to take up, lift up</u>	*č <sup>h</sup> 'at <sup>h</sup> a	<u>film on milk / cream</u>
*q <sup>h</sup> at <sup>h</sup> e	<u>to knead, rub (esp. leather)</u>	*č'eth <sup>h</sup> a	<u>to soak, itr.</u>
*g <sup>h</sup> at <sup>h</sup> e	<u>to find</u>	*wepč'at <sup>h</sup> a	<u>to cut (e.g. meat)</u>
*narth <sup>h</sup> e	<u>Nart</u>	*sh <sup>h</sup> at <sup>h</sup> a	<u>to sigh</u>
*phat <sup>h</sup> a	B <u>to be damaged, worn out</u>	*shat <sup>h</sup> a	<u>B to try out, check</u>
*webat <sup>h</sup> a	B <u>to break (as plate), tr.</u>	*pš:at <sup>h</sup> a	<u>tanning solution</u>
*det <sup>h</sup> a	<u>to quilt</u>	*λet <sup>h</sup> a	<u>to consider</u>
*tat <sup>h</sup> a	<u>to come loose, be unfastened</u>	*λat <sup>h</sup> (a)	<u>to bounce/to fly, jump up,</u> <u>fall out, etc.</u>

*λəθ̥a	<u>rennet (used to curdle milk)</u>	*q:əθ̥a	<u>to smash, break up, chop</u>
*k:əθ̥a	<u>sword</u>	*q:əθ̥e	<u>brood(-hen)</u>
*kəθ̥a	<u>malt</u>	*qəθ̥a	<u>to tell, report/to announce, make known</u>
*wəkəθ̥a	<u>shame</u>	*xəθ̥a	<u>B ravine, gully</u>
*k:əθ̥(a)	<u>a certain (solid) number/ (large) herd</u>	*Pxəθ̥(a)	<u>to grasp, seize, tr.</u>
*kəθ̥(a)	<u>to pour (in, out)</u>	*Pxəθ̥a	<u>trunk, chest</u>
*kəθ̥(a)	<u>to move along</u>	*(P)gəθ̥(a)	<u>to grow mouldy</u>
*xəθ̥a	<u>to forge</u>	*Shəθ̥a	<u>pillow, cushion</u>
*xəθ̥a	<u>K to explore, discover, make clear</u>	*yəθ̥a	<u>to rage (storm)/become insolent</u>
*xəθ̥(r)θ̥a	<u>K diaper (-r-), scarf (-)</u>	*wəθ̥a	<u>to trample, to knead clay with the feet</u>
*qəθ̥a	<u>haystack</u>	*məθ̥a	<u>basket, beehive</u>
*xəθ̥a	<u>(nothing) special/(not) a bit</u>		

## 6. St̥

\*\*\*

*paSt̥a	<u>"pasta"</u>	*maSt̥a	<u>needle</u>
*lanSt̥a	<u>scissors</u>		

## 7. S't̥

\*S't̥a -- B š't̥a/šta to be frightened.  
 \*S't̥aPx -- T š't̥apxa/... cowardly.

## 8. St̥

\*S't̥a -- B š't̥a/šta to take, tr. (B t̥ya-š't̥a-n to take after sb.).  
 \*S't̥a -- B š't̥a/šta flint (B also š't̥a?əθ̥'a, T štawəθ̥'e).

## 9. t:

\*t:(a) -- B t:ə, yāt:a/hada father, B t:āt:a/dāda daddy/grandpa (address).  
 \*t:a -- B t:a/da we.  
 \*wet:əsa -- B wet:əsa/... dust penetrates, B ġa-wet:əsa to make dust, pulverize.  
 \*t:əš:ə -- B t:əš:ə/ədəs relatives of wife.  
 \*t:əq:ə -- T p̥a-teqə/p̥a-dəq̥ back of neck, occiput (p̥a neck).  
 \*t:əg̥a -- B t:əg̥a/dəg̥a sun.  
 \*t:ərq:ə -- T tərq:ə/dərq:ə scar.  
 \*t:əg̥(a) -- B t:əg̥(a)/dəg̥(a) to steal, (in)tr., T təg̥ə/dəg̥ theft/thief.  
 \*t:əwə -- S t:əwə/dəw grain storehouse.  
 \*t:az(a) -- T tāza/-dāza crooked, T we-taze-n to bend down, tr.  
 \*wet:əs̥a -- B wet:əs̥a/wədāfa to misbehave, make mischief, act violently, T also to get drunk.

\*t:aλa -- T tāλa/dāλa to splash/to threaten, T ȡa-taλa-n/ȡa-dāλa to rattle (the sabre)/to wave threateningly, shake (fist), rattle (the sabre).

\*t:aq:a -- B t:āq:a/dāq:a stump/handle, thick end of pole, T also deadfall; K daqā-ȝ stump. Cf. \*daq:a.

\*t:aya -- B t:āya/... (package of) neatly arranged things (as needles, wood). K tay layer, if related, must be a borrowing (ȝ irregular).

\*t:ama -- B t:āma/dāma wing.

\*\*\*

*bet:ə B <u>hunchbacked</u>	*š <sup>o</sup> at:a <u>a corn-beverage</u>
*w <sup>o</sup> bet:ə <u>to catch, grab</u>	*xat:a <u>kitchen-garden</u>
*s <sup>o</sup> ant:ə <u>wineskin</u>	*hat:a <u>father</u>
*ȝ <sup>o</sup> at:ə B <u>to make merry</u>	*wet:(a) <u>to pound, thresh (sunflower seeds, maize), beat (egg)</u>
*k:at:ə <u>chicken</u>	*wet:(a) <u>to sow by hand</u>
*x <sup>o</sup> at:ə B <u>blizzard</u>	*wat:a <u>hammer</u>
*nat:ə <u>goatskin sack</u>	*ma(r)t:a <u>quantity, measure</u>
*p:ət:a <u>strong, solid; stingy</u>	

#### 10. St:

\*St:(a) -- B st:ə/ša-ȡa-st to burn, itr./to fan or add fuel to fire (ša under), B st:a to burn (as lamp), itr. Cf. \*sə.

\*St:ərə -- T stərə/... hot, bitter, sharp (taste). Cf. \*sərə.

\*St:ax<sup>o</sup>a -- T stāfa/... ashes. Cf. \*sax<sup>o</sup>a.

#### 11. S't:

\*S't:ə -- B š't:ə/štə to freeze (of liquid).

#### 12. ſ<sup>o</sup>t:

\*ſ<sup>o</sup>t:ə -- B ſ<sup>o</sup>t:ə/ftə genitals (male and female).

\*ſ<sup>o</sup>t:ə -- ſ yə-ſ<sup>o</sup>tə/Be yə-ftə to hurl oneself into ye-.

\*ſ<sup>o</sup>t:ərə -- T ya-ſ<sup>o</sup>tərə/... to kick.

\*\*\*

\*čaſ<sup>o</sup>t:(a) to slide, slippery/to move rapidly      \*x<sup>o</sup>eſ<sup>o</sup>t:ə T to fly off (as wheel from axle)

#### 13. d

\*d(a) -- B d(a)/d(a) to sew, (in)tr.

\*d(a) -- B xa-d(a)/xa-d(a) to choose, pick out, (in)tr. (xa- group, mass).

\*da -- B da/da nut.

\*da -- B da/da to agree, consent to stg. (object).

\*dəm̥pə -- T dəm̥pə/... to vanish.

\*dət̥hə -- T dət̥a/dət̥a to quilt.

\*dədə -- B dədə/dəd awl.

\*dədə -- T ȡa-dədə/... to carry stg. away quickly; to spread quickly (rumor).

\*dəsə -- T dəsə/... steep; stinging, sarcastic.

\*dəPzə -- S dəbzə/... veranda.

\*dəsə -- B dəsə/dəsə gold.

\*dəgə -- B dəȝ'ə/dəg bitter, sour, sharp-tasting.

\*dəq:ə -- B dəq:ə/dəq to stiffen, grow numb, freeze. Cf. \*dəye and \*q:ə.

\*dərȝə -- T ya-dərȝə/... to abuse, address caustically (T dərȝ is an onomatopoeia for the grunting of pigs).

\*dəwə -- B dəwə/pse-dəwə leech (pse water).

\*dəye -- B dəye/dəye-ž to cool off, congeal, grow numb (K -ž again, as previously). Cf. \*dəq:ə.

\*d(a)da -- B dāda/dəda very, just, exactly.

\*daxa -- B dāxa/daxa beautiful.

\*dag<sup>o</sup>a -- S dāg<sup>o</sup>a/... short-eared.

\*dag<sup>o</sup>ə -- B dag<sup>o</sup>ə/dag<sup>o</sup> deaf.

\*daq:a -- B dāq:a/dāq'a hind end, esp. last pair of animals put before cart, T ȡa-dāq'a/ȡādāq'a heel, K p̥ṣa-dāq'a back of neck. Cf. \*t:aq:a.

\*dəPq:ə -- B dapq:ə/... wall.

\*daȝa -- B dāȝa/dāȝa lard, fat.

\*daq<sup>o</sup>(a) -- B dāq<sup>o</sup>a, ya-da<sup>o</sup>ə/dāq<sup>o</sup>a, ya-da<sup>o</sup> to listen, obey.

\*daȝ<sup>o</sup>ə -- T daȝ<sup>o</sup>ə/... to make a wrong choice.

\*dag<sup>o</sup>(a) -- B dag<sup>o</sup>ə/dag<sup>o</sup>a good.

\*dag<sup>o</sup>a -- B dāg<sup>o</sup>a/dāg<sup>o</sup>a defect, shortcoming.

\*dayə -- B dayə/... bad.

\*dawa -- B dāwa/dāwa to quarrel, have a lawsuit (Tu. dāvā).

\*dana -- B dāna/dāna silk (as woven material).

\*\*\*

*dədə	<u>awl</u>	*g <sup>o</sup> ədə	<u>vulva</u>
*dədə	T <u>to be carried away quickly, spread quickly (rumor)</u>	*q:ədə	B <u>stubborn</u>
*wəza(n)də	<u>to load (a gun)</u>	*wədə	<u>witch</u>
*q:əndə	<u>rook</u>	*nədə	<u>thin (of person)</u>
*č̥ədə	<u>donkey</u>	*d(a)da	T <u>fine (of mesh)</u>
*lə(n)də	<u>to shine, glitter</u>	*za(n)da	<u>very, just, exactly</u>
*landə	T <u>pike (zool.)</u>	*č̥ə(n)da	<u>steep</u>
*kʰəa(n)də	<u>much</u>	*λada	<u>peanut</u>
			<u>to run, rush</u>

*Txeda	<u>story, tale; instructive/ history</u>	*wəSxənda	<u>T to let oneself go, become shabby</u>
*Sxeda	<u>to chide</u>	*q <sup>o</sup> eda	<u>flounce, frill, fringe/lace</u>
*k <sup>h</sup> o <sup>o</sup> eda	<u>to cork, fill up, cram</u>	*g <sup>o</sup> e(n)d(a)	<u>gadfly</u>
*k <sup>h</sup> o <sup>o</sup> eda	<u>B petroleum, oil; axle-grease?</u>	*hada	<u>corpse</u>
*k <sup>h</sup> o <sup>o</sup> anda	<u>B bush, shrub</u>	*Shanda	<u>B bush, shrub</u>
*k <sup>h</sup> o <sup>o</sup> ad(a)	<u>to disappear, lose oneself, get lost, perish</u>	*hada	<u>T tumor, swelling</u>
*qada	<u>pincers, tongs</u>	*warda	<u>high-born, K also solid, strong</u>
		*nada	<u>empty, without kernel (as seed, nut)</u>

#### 14. t, Tq<sup>o</sup>

(The two possibilities are ordered alphabetically. All cases of \*Tq<sup>o</sup> involve the morpheme two).

*tə	-- B tə/tə <u>ram</u> .
*t(a)	-- B t(a)/t(a) <u>to dig, (in)tr.</u>
*ta	-- S ta/ye-ta <u>to seat/to put straight up, tr. (ye- in).</u>
*təpə	-- T təpə/... <u>to crack (of corn flakes), itr.</u>
*təse	-- B təse/təs <u>to sit down.</u>
*tərza	-- T tərza/... <u>to sport, gambol (of horse).</u> Cf. *tara.
*tələ	-- B tələ/təl <u>to lie down.</u>
*tərg <sup>o</sup> (a)	-- B tərg <sup>o</sup> a/ya-tərg <sup>o</sup> <u>to butt, fillip, bump, jog (K also ya-tərq, ya-perq).</u>
*tə(r)g <sup>o</sup> a	-- B tə(r)g <sup>o</sup> a/təg <sup>o</sup> a <u>to soften, ripen, T also to curl.</u>
*teya	-- T teya/tay <u>to stick up, stand on end, be bent upward (as moustache).</u> Cf. *ta.
*təthə	-- B təthə/tətə <u>to come loose, be unfastened.</u>
*tət(a)	-- B tətə/tətə <u>to get soft, thaw, become unstable, T also to drip, T s'ə-tate to run over, overflow (s'ə- location).</u>
*tasa	-- .../təsa <u>dear (address).</u>
*tasa	-- .../xa-təsa <u>to be neglected, allowed to develop unchecked (xa-mass).</u>
*təc'e	-- B təc'e/təš <u>to undress, tr., T also to rob.</u> Cf. *taga.
*tak <sup>o</sup> e	-- B tak <sup>o</sup> e/tak <sup>o</sup> <u>a little, few.</u>
*tak <sup>o</sup> e	-- S tak <sup>o</sup> e/... <u>place.</u>
*taška	-- T təška/təška <u>to become weak/shaky, unstable, vulnerable spot, Be secret (cf. K təška-šax scout, spy).</u> (sə- location)
*taga	-- .../sə-təga <u>to put on as dress, dress sb. with, tr.</u> Cf. *tac'e.
*taPq <sup>o</sup> e	-- B əga-təpə S əga-tapq <sup>o</sup> e/tap <sup>o</sup> <u>to rip open.</u>
*təx <sup>o</sup> (a)	-- B təx <sup>o</sup> a, ya-təx <sup>o</sup> e/təx <sup>o</sup> a, ya-təx <sup>o</sup> <u>to scratch, (in)tr.</u>
*taye	-- S taye/... <u>damp.</u>
*tawə	-- T ya-tawə/... <u>to bump (one's head).</u>
*tara	-- T tara-n/... <u>to sport, gambol (of horse).</u> Cf. *terza.

\*Tq<sup>o</sup>(a) -- B t<sup>o</sup>(a)/t(a)w, -t(a) two (twice) (K -ta only in mezaməta more than once, repeatedly, lit. not-once-not-twice).

\*Tq<sup>o</sup>əPš:’e -- B t<sup>o</sup>əpš:’e/wetəps to be released/to release, set free.

\*Tq<sup>o</sup>aza -- T t<sup>o</sup>əza/... twins (za-t<sup>o</sup>əza they are twins (to e.o. za-)).

\*Tq<sup>o</sup>ac’ə -- T t<sup>o</sup>ac’ə/taw’s twenty.

\*Tq<sup>o</sup>ac’ə -- T t<sup>o</sup>ac’ə SM t<sup>o</sup>əca/... valley between mountains.

\*Tq<sup>o</sup>ala -- T t<sup>o</sup>əla/təwəla a measure (breadth of two fingers).

\*Tq<sup>o</sup>a(r)q:’a -- T tərq<sup>o</sup>a/təq<sup>o</sup>a fork, bifurcation/dual, in two (dissimilative loss of labialization in T).

\*Tq<sup>o</sup>ana -- T t<sup>o</sup>əna/təwəna one wife in relation to other (in polygyny).

\*\*\*

*cətə	<u>ditch</u>	*žanta	<u>place of honor</u>
*wənate	K <u>to direct, level at</u>	*lanta	<u>elastic, supple</u>
*barta	T <u>fresh, fluffy (butter)</u>	*kant(a)	<u>small last remains</u>
*pət(a)	<u>to crush, press, jam, pinch</u>	*Pğə(n)tə	<u>ungirded</u>
*pərta	T <u>to burst, crack</u>	*q <sup>o</sup> a( <sup>r</sup> /n)tə	<u>to bend, distort/turn, wind</u>
*tat(a)	<u>to get soft, thaw, drip, become unstable, overflow</u>	*Şx <sup>o</sup> ant(a)	<u>(electric) blue</u>
*Psəntə	T <u>watery, thin (e.g. pasta)</u>	*ğ <sup>o</sup> aṭa	K <u>dark red (prob. of hair)</u>
*çh’əta	<u>to massage, T also squeeze, squash</u>	*Şhəṭa	T <u>forehead</u>
*Pc’anta	<u>to sweat</u>	*yata	<u>clay, earth, K also mud</u>
		*nata	<u>forehead</u>

15. c<sup>h</sup>

\*c<sup>h</sup>(a) -- B c<sup>h</sup>e/cə hair, wool, -c<sup>h</sup>a/-ca suff. hairy.

\*c<sup>h</sup>əp<sup>h</sup>a -- B c<sup>h</sup>əp<sup>h</sup>a/cəpa end, tip (of string, sword, etc.)/(single) hair.

\*c<sup>h</sup>əPza -- B c<sup>h</sup>əbzə/... autumn-wool.

\*c<sup>h</sup>ərxe -- .../ya-çerx to touch.

\*c<sup>h</sup>əya -- B c<sup>h</sup>əya/cay "cherkeska" (Caucasian national garment).

\*\*\*

*lech <sup>h</sup> e	K <u>moss</u>	*ğ <sup>o</sup> ərç <sup>h</sup> a	B <u>brushwood, shrubbery</u>
*Şhac <sup>h</sup> e	<u>head-hair</u>	*hanc <sup>h</sup> a	<u>wooden spade</u>
*q:’a(n)c <sup>h</sup> a <u>branch w. twigs/branchy</u>			

16. c:

\*c:a -- B c:a/ʒa tooth, edge of blade.

\*c:a -- B c:a/ʒa grain, pellet of grain, grain (of sand, etc.).

\*c:a -- B -c:a/ʒa spoke of wheel (cf. B c:āga K ʒāža rib).

\*c:əxa -- B c:əxa/ʒəxa frail, weak, without stamina or self-possession, T also hot-tempered; T qa-cəxa-n/qa-ʒəxa to flinch, T also to flare up

\*c:əg<sup>o</sup>a -- B c:əg<sup>o</sup>a/ʒəg<sup>o</sup>a mouse.

\*c:əh(a) -- B c:āhə T cəhə/ʒəhə, ʒəhə faith, confidence.

\*c:alə See \*lc:ale.

\*c:aka -- B c:āk'a/ʒāk'a edge.

\*c:ak:°a -- B c:āk:°a/ʒāg°a blunt, dull.

\*c:ax°e -- T cafe/ʒax° tin.

\*c:aq:a -- B ya-c:āq:a/ya-ʒāq'a to bite.

\*c:axə -- T cāxə/ʒāxə with teeth spaced wide apart (person, fork).

\*c:ag°e -- T ya-cag°e/ya-ʒag° to gnaw.

\*c:ayə -- T cayə/ʒay mate, partner (esp. in tilling of land).

\*\*\*

*k:°ac:ə	<u>wheat</u>	*k:°ec:a	<u>spoke of wheel</u>
*wec:ə	<u>grass</u>	*hac:a	K <u>grain (of corn, sand, etc.)</u>

17. Pc:

\*Pc:(a) -- B pc:(a)/bʒ(a) to chisel, (in)tr., B pc:ə/bʒə chisel.

\*Pc:a -- T pe-pca/... to affix, nail stg. to the end pe- of stg., tr., T tya-pca patch.

\*Pc:a -- B pc:a/bʒa fish/large fish, K bʒa-ʒay fish (-ʒay small).

\*Pc:aš°ca -- B pc:āš°a/bʒamča Be ʒafča lead (metal). (T pcāš°a with metathesis of glottalization).

\*(P)c:alə -- B pc:yale S pc:aley/ʒal willow.

\*Pc:a(n)Tha -- B pc:āthə/bʒa(n)tha joiner's glue.

\*\*\*

*kaPc:(a)	<u>thigh of animal, leg of</u>	<u>(as dough)</u>	
	<u>bird</u>		
*g°aPc:a	T <u>to harden, form a crust</u>	*naPc:a	<u>eyebrow</u>

18. ʒ

\*ʒ(a) -- B ʒ(a)/ʒ(a) to throw out of (resp. into), tr.

\*ʒa -- B ʒa/ʒa army, B ʒák°a/ʒák°a campaign (k°a to go).

\*ʒəya -- T ze-š'ə-ʒəya-n/zə-še-ʒay to stand apart, avoid stg. (ze- one-self, š'ə-/še- there).

\*ʒəwa -- T ʒəwa/... sack.

\*\*\*

*beʒə	<u>woman's breast</u>	*baʒa	<u>fly (zool.)</u>
*wəTxə(n)ʒə	T <u>to sift</u>	*Pseʒa	<u>flood, inundation</u>
*Pxəʒə	T <u>lot, fate</u>	*č'əža	<u>lining, saddle cloth, etc.</u>
*g°aʒə	T <u>to answer (pə-)</u>	*Pžəža	<u>flea</u>
		*Pg°əža, -za	<u>narrow, tight</u>

## 19. c

\*c(a) -- B čə/čə to defecate, itr., K -ča id. (in compounds).

\*ča -- B ča/ča louse.

\*ča -- B ča S ša/ča name.

\*čertʰa -- B čertʰa/... to emit sparks.

\*čeče -- T čeče/... to crumple, itr. and tr.

\*čePča -- T čePča/... to swell.

\*čež°e -- B čež°e/čev bug, beetle, T a kind of fly.

\*čež°(a) -- B zə-ča-čež°e-n/čev, čeva to make off (zə- oneself)/to whirl, fly.

\*čePλ(a) -- .../čepl scarlet, čeplə brown (of horses). Cf. \*čaPλe.

\*čekʰe -- T pxa-n-čeč'e/pxa-ček castanets (pxa wood).

\*ček°e -- B ček°e/ček° small, little.

\*čex°e -- B čefə/čex° human being, person.

\*čex°e -- B čefə/čex° to know, be acquainted with.

\*čerxə -- B čerxə/čerx thin (of vegetation), transparent (of fabrics), K wečerx to make stg. carelessly, throw together.

\*češča -- T češča/... to glitter, sparkle.

\*čerğe -- S čerğe/... snail.

\*čewə -- B čewə/čew to shine, glitter, K also to squeak, cheep.

\*čen(a) -- B čena S šena/čena moist, unripe, uncooked, K also pus; K wečen to become moist.

\*čap(a) -- B čapa/čapa dirty, K we-čap to make dirty.

\*čaš°t:(a) -- B čaš°t:a/xa-čaft, -čafta slippery, to slide/to move quickly out of (resp. into) stg. (xa- mass, group).

\*čača -- T čača/ya-čača to curse, bawl out.

\*ča(n)λa -- B čaλa/čaλa to slip, slide, T also to creep, crawl.

\*čaPλe -- T čapλe/... red-haired. Cf. \*čePλ(a).

\*čala -- B čala/čala to smear, tr.

\*čaka -- B čac'a/čaka nit.

\*čax°a -- .../čax°a cobra.

\*čanTx°a -- B čanTx°a/čanTx°a to scrape/to slide.

\*čag°e -- T čag°e/... weak, frail.

\*\*\*

*čeče	T <u>to crumple</u>	*č°eč(a)	<u>black</u>
*kʰ(a)če	<u>kid, young goat</u>	*le(n)č(a)	<u>to scorch</u>
*kacə	<u>to lay eggs</u>	*Txəča	<u>backbone, spine</u>
*kʰoče	<u>marrow</u>	*pxača	<u>T bedbug</u>
*kʰacə	<u>innards, inside, interior</u>	*mača	<u>locust</u>
*yanče	K <u>long pole, lever</u>	*nač(a)	<u>to wish, desire, hanker for</u>
*čaca	<u>to curse, bawl out</u>		

20. F<sup>č</sup>, S<sup>č</sup>

(The two possibilities are ordered alphabetically. \*S<sup>č</sup> occurs only in non-final segments. Evidence for \*S<sup>č</sup> is either S <sup>č</sup>ot, or B T <sup>č</sup> besides K pč (in one case K mč Be fč). See Introduction p. 5-7).

- \*Pč(a) -- B pče S pše/pče lie, falsehood, T gā-pča/gā-pča to deceive.
- \*Pč(a) -- T mez<sup>č</sup>a-wē-pča/meva-wē-pča whetstone (\*mez<sup>č</sup>a stone), T wē-pa-pče/wē-pa-pč to sharpen (a pointed object) (pa- nose, point).
- \*Pča -- B pča/pča to ferment, curdle, turn sour (of milk), coagulate (of blood).
- \*Pča -- B pča/pča to be fulled, folted (cf wool), get tangled (of hair).
- \*Pča -- B -pča/-pča quite, completely, entire, massive (K ye-zaq<sup>č</sup>apča quite alone, wēže-pča thick grass); bare in \*λaPča, \*šaPča, \*Pčana.
- \*PčePče -- .../pčepč liar.
- \*Pčey(a?) -- T pčey/... ore (vocalic nature of 2nd segment unknown).
- \*PčaSč<sup>č</sup>a -- B pčašč<sup>č</sup>a S pšašč<sup>č</sup>a/pčašč<sup>č</sup>a swallow (zool.).
- \*Pčawē -- B pčawē S pšawē/... to yelp. Cf. Fč'awē.
- \*Pčan(a) -- B pčana S pšana/pčana bare, naked, K wē-pčan to undress.

\*\*\*

*S'xēPče	T <u>to smile</u>	*čaPča	T <u>dark, dark grey, dark blue</u>
*xēPče	K <u>cartilage</u>	*λePča	K <u>clot of blood</u>
*x <sup>č</sup> o ePče	B <u>to itch</u>	*λaPča	<u>barefoot</u>
*wēPče	K <u>to splash, splatter</u>	*lēPča	<u>flesh</u>
*naPče	<u>false, deceptive</u>	*kaPča	<u>lower abdomen/stomach</u>
*p <sup>č</sup> a(m)Pč(a)	<u>sharp point, sharp</u>	*q: <sup>č</sup> aPča	<u>swarthy, K also lean</u>
*PšePča	<u>bog, swamp</u>	*šaPča	T S <u>bare-headed</u>
*čePča	<u>chernozem</u>	*nēPča	S <u>intestines</u>

(Addenda see p. 93)

21. s

- \*sē -- B sē/sē to sit (only w. local prefixes).
- \*sē -- .../sē to burn, tr. and itr. Cf. \*St:e.
- \*sē -- B ya-sē/ya-s to swim, K xa-sē-k to swim out of -k a mass xa-, etc.
- \*sē -- B q:a-sē/qā-s to arrive (here), na-sē/na-s to reach (a place) (\*q:a- hither, \*na- thither).
- \*s(a) -- B wa-sē/wa-s snow, T tya-sa (snow) covers stg. (tya- on). To \*sē sit?
- \*sa -- B sa/sa I (1st pers. sing.)
- \*sa -- B sa/sa knife.
- \*sa -- B xā-sa/sa to sow (xa- in a mass), T in compounds also put, stick in, e.g., g<sup>č</sup>a-sa-h stick in besides g<sup>č</sup>a-.
- \*sa -- B ya-sa/ya-sa to accustom oneself to stg., K sa adaptable.
- \*sēsē -- B sēsē/sēs to sway, shake, tremble.

\*sege -- B sež'e/seg hump, crest (of bird), anvil, T xə-sež' crest of wave (xə sea).

\*sexa -- S sžepa/sexa crystalline snow/sugar-crystals (as in ripe melon).

\*seTž'e -- .../setž' hoar-frost.

\*sen(a) -- B sena T sene/sen (stone) idol, statue.

\*ser(a) -- .../ser bitter (taste), sera beer. Cf. \*St:ere.

\*sera -- T sera/sera drawer (e.g. in cupboard).

\*sap:a -- B sap:a/saba dust.

\*sa(m)pa -- T sapa/sampa sheath (for knife or dagger).

\*sak'e -- T sac'e/sak to castrate.

\*saxe -- B saxe/sax bar, gate.

\*sa(n)Txə -- T satxe/sa(n)tx stony height/height (geogr.). Cf. \*Txə.

\*sax'e -- .../sax' (quick)lime.

\*sax'a -- .../sax'a ashes. Cf. \*St:ax'a.

\*saq:e -- B saq:e/saq (to be) careful. (Balk., Kar. saq id.).

\*sača -- T sača/sača bee-bread/larvae and pupae of bees.

\*sač'e -- T ča-sač'e-č'a-n/sač' to spoil/to be spoiled (of child).

\*saye -- T saye/say to be filled up (as ditch).

\*wesay(a) -- T ya-wesaye/... to lean stg. against stg., T g'-ya-wesaya id. besides g'(a)- stg.

\*s(a)ma (?) -- B semaž'a/semaga ill, sick, B samag'e/samag' left (side), cf. resp. \*ga bad, \*g'a- prefix besides

\*sama -- B sáma/sáma heap.

\*sana -- B sána/sána grape, K also currant and antiquated honey, mead.

\*\*\*

*p̥ase	<u>to be worthy of stg.</u>	*tasa	K <u>dear (address)</u>
*p̥ese	<u>futuere</u>	*tasa	K <u>to be neglected, allowed to develop unchecked</u>
*t̥ese	<u>to sit down</u>	*Ps̥esa	K <u>fairy-tale</u>
*d̥ese	T <u>steep; stinging, sarcastic</u>	*č'asa	<u>beloved, lover</u>
*s̥ese	<u>to sway, shake, tremble</u>	*λ̥as(a)	<u>to wash, rinse, card (flax)</u>
*č̥ase	<u>to mount a horse</u>	*k̥esa	<u>pouch</u>
*č̥ase	<u>surety, pledge</u>	*k̥esa	T <u>to sprout, shoot (of plant)</u>
*λ̥ase	<u>on foot, unmounted</u>	*k̥asa	<u>late</u>
*l̥ese	B <u>cotton plug (in wound)</u>	*xasa	<u>conference, council, T also to discuss, consider</u>
*k̥ase	<u>prisoner of war</u>	*k̥oə(r)sa	<u>stripe</u>
*q̥ase	<u>to reach, get to (λə-)</u>	*k̥oasa	See *k̥oap̥sa
*q̥oese	<u>food, feed</u>	*g̥esa	<u>to take offence</u>
*yase	<u>manly/tall and well-built</u>	*q̥asa	<u>tame, quiet</u>
*wese	<u>to compose (song), write (story)</u>	*g̥asa	<u>mowed harvest</u>
*wase	<u>snow</u>	*q̥oesa	<u>to touch</u>
*p̥asa	<u>early, long ago</u>	*g̥esa	<u>companion, fellow-traveler</u>
*wet:esa	B <u>to be dusty, pulverized</u>		

*P <small>g</small> <sup>o</sup> es(a)	T <u>sheepskin blanket</u> , S also <u>felt foundation in cradle</u>	*mes(a)	guilty, culprit, T also <u>foreign</u> , K also <u>dishonest, uneducable</u>
*hasa	<u>bed (in garden), plot</u>	*nesa	<u>(father's) brother's wife, daughter-in-law</u>
*wasa	<u>price</u>		

22. Ps

\*Pe -- B pe/pe water, river.

\*Pe -- B -pe/pe string, cord, lace, strap; handle; for W. Circ. cf. \*λaPe, qoaPe, etc. Cf. also \*kaPa.

\*Pe -- B ģa-pe/ğa-ps to arrange, bring in order, build, tune, train.

\*Pe -- T ya-pe-xe/ya-pe-x to dismount (ya-...-xe downward).

\*Ps(a) -- B q:o-ya-pe/qo-ay-ps to shine (as sun, fire), itr. (\*q:(a)- hither), T tya-psa/tay-psa to illuminate, itr. (\*thya- on).

\*Ps(a) -- B pe/qo-ay-ps to sneeze (qo- hither), T tya-psa/... to sneeze (after a pronouncement) (tya- on).

\*Pa -- B pa/pa life, soul.

\*Petha -- B petha/... to swell, suffer from dropsy.

\*Penta -- T penta/... watery, thin (e.g. of "pasta").

\*Peʒa -- T peʒa/peʒa flood, inundation.

\*PePca -- B pePca/pePca bog, swamp, quagmire.

\*Pesa -- .../pesa fairy-tale. Cf. \*čhePa.

\*PePe -- T pepe/... gauze, cheesecloth.

\*Pe(n)ʒe -- B peʒe T penʒe/peʒe mud, mire.

\*Peş(a) -- B peş(a)/peş(a) moisture, K also wet, to wet.

\*Peza -- T peza/peva boiling water.

\*Penc'a -- B penc'a/penč'a light, swift.

\*Pela -- B pela/pela flask, K also marshy terrain.

\*Pexa(a) -- T ya-pexe/ya-pex to dismount, T da-pexa/... id. in an enclosure da-. S has ya-pskaxe.

\*Pexa -- T pexa/... lower reaches of river. Opposite T K peşha upper id.

\*Pego -- S pego/... island.

\*Peqa -- T pe²a-pebla/pe²a wet/wetness, moisture.

\*Peqo -- T pe²a/pe²a riverbank.

\*Peža -- B peža/peža river(bed), channel.

\*Peğa -- B peğa/peğa thin (of cylindrical objects).

\*Peñ(a) -- T ya-peña/peñ(a) to temper (metals).

\*Pena -- B pena/pena well/spring.

\*Peapha -- B peapha/psa good deed/blessing.

\*wePapsa -- T wepsapsa-n/wepsapsa to become damp (K also wespapsa).

\*Peşo -- B peşo/psaf pregnant (of animal).

\*Pela -- B pela/pela word, speech, utterance.

\*Peaxo -- B ze-ğ-a-psafe/psaxo to rest (ze- oneself).

\**psāga* -- T *psāga*/... target (in shooting).  
 \**Psatħa* -- .../*psatħa* (a heathen god).  
 \**Psaye* -- B *psaye*/*psay* black maple/spruce, fir.  
 \**Psawə* -- B *psawə*/*psaw* to live, K also healthy (B *psawə*), whole, all (B *pst:awə*).  
 \**Psawa* -- T *ya-psawa-n*/... to take aim at stg.

\*\*\*

* <i>PsePse</i> T <u>gauze, cheesecloth</u>	* <i>Shapse</i> K <u>light-headed, giddy</u>
* <i>čħepse</i> <u>a type of sauce</u>	* <i>hapse</i> T <u>wooden bowl</u>
* <i>laPse</i> <u>leather shoestrap, shoelace</u>	* <i>napse</i> <u>tear(s)</u>
* <i>lapse</i> <u>bouillon, broth</u>	* <i>wepsaPsa</i> <u>to become damp</u>
* <i>Pħapse</i> <u>shoulder-strap</u>	* <i>čħepsa</i> <u>fairy-tale</u>
* <i>kapse</i> <u>croup of horse</u>	* <i>ħapsa</i> <u>root, foundation/homeland</u>
* <i>S'xapse</i> <u>glue, starch</u>	* <i>kaPsa</i> <u>string, rope</u>
* <i>Tk'apse</i> <u>drop (of water)</u>	* <i>kħoepsa</i> <u>center, pivot</u>
* <i>xəPse</i> K <u>larva, grub</u>	* <i>kħoap(P)sa</i> <u>beardless</u>
* <i>Pħapse</i> <u>plane (tool)</u>	* <i>gəPsa</i> <u>beloved; kind, good/cordial</u>
* <i>q:əPse</i> <u>handle, haft, ear (of vessel)/rhizome</u>	* <i>xəaPs(a)</i> <u>to desire, be keen on, envy</u>
* <i>qəPse</i> <u>spittle</u>	* <i>wepsa</i> <u>to plane, shave (also the face)</u>
* <i>gəPse</i> T <u>ichor, pus</u>	
* <i>ħapse</i> <u>pit for keeping prisoners</u>	
* <i>ħaħse</i> <u>string to tie up top part of stg. (sack, trousers)</u>	

23. z

\**ze* -- B *ze/ze* to decant, filter, tr.  
 \**ze* -- B *ze/ze* full (only w. local prefixes).  
 \**ze* -- T *ze/ze* to (come loose and) fall or fly off, out, etc. (only w. local prefixes).  
 \**z(a)* -- B *z(a)/z(a)* one (once).  
 \**za* -- B *za/za* cornel fruit.  
 \**za* -- B *ħa-za/ħa-za* to make turn, spin, tr., cf. also \**xəarza*, \**ħaħza*, etc.  
 \**za* -- B *fa-za/xəa-za* to meet sb. (\**xəa-* for, to); possibly identical w. preceding (turn toward?).  
 \**za* -- B *za-/za-* self; each other, cf. \**zaħħi*, \**zaħaq:(a)*, etc.  
 \**zeya* -- T *da-ħa-zaeza/...* to lift up, turn face up. To \**za* turn with *da-...-ya* upward.  
 \**weza(n)da* -- B *wəzade* T *wezandə/wəzad* to load (a gun).  
 \**za(n)da* -- B *zā(n)da/zāda* steep.  
 \**zaze* -- B *zaze/zaz* gall, bile.  
 \**wəzaze* -- T *wəzaze/...* to treat or clean stg. (e.g. a tub) with boiling water.

\*zaz<sup>o</sup>ə -- B zaz<sup>o</sup>ə/zav narrow. Cf. \*Pğ<sup>o</sup>əza.

\*zač<sup>h</sup>’ə -- B zaš<sup>h</sup>’ə/zaš to be bored, tired.

\*zanc’(a) -- B zanc’ə/zanča straight, T wəzanc’ə to straighten.

\*zaλa -- B zaλa/zāλa to get wrinkled (of skin), K also to wither.

\*zala -- B zāλa/zāλa a measure (breadth of one finger).

\*za<sup>r</sup>/ng(a) -- T zanž’ə, zarež’ə S zarg (-ga?)/zarega berries of the snowball tree, T zarž’aya snowball tree.

\*zak<sup>o</sup>a -- S zāk<sup>o</sup>a/... full, whole.

\*zax<sup>o</sup>ə -- T zafe/... oatmeal.

\*zaPq:(a) -- S zāpq:a/... straight, T wəzapqe to straighten.

\*zantxə -- T zantxə/zantx oats (K antiquated).

\*zaǵe -- T zaǵə/zaǵ becoming (of clothes)/easily digestible, easy to get on with, T ya-zaǵe/ya-zaǵ to consent/to accommodate oneself, be fitting, useful.

\*zaǵa -- B zāǵa/zāǵa to come to rest (of physical movement).

\*zaq:<sup>o</sup>a -- B zāq:<sup>o</sup>a/zāq<sup>o</sup>a lonely, (a)one.

\*zašhə -- B zašhə/zash alike, similar.

\*zawa -- B zāwa/zāwa war, battle.

\*\*\*

*zaze	<u>gall, bile</u>	*qaza	<u>skilful, doctor</u>
*wəzaze	T <u>to clean w. boiling water</u>	*ğaza	<u>(re)turn, turnoff</u>
*ʒ <sup>o</sup> a(r)zə	<u>bronze/brass</u>	*gaza	<u>measles (*ş<sup>o</sup>a-)</u>
*Pλəzə	<u>to stare rigidly</u>	*q <sup>h</sup> əza	K <u>to sieve</u>
*ğe(r)zə	<u>to moan, groan</u>	*q: <sup>o</sup> əz(a)	<u>to compress, pull fast (as belt)</u>
*x <sup>o</sup> eze	<u>to press (as fruit)</u>	*q <sup>o</sup> əza	K <u>crooked, narrow, flat</u>
*q:əze	<u>goose</u>	*ğ <sup>o</sup> aza	<u>leader, pilot, target, sight (on gun)</u>
*ğazə	<u>to force, compel sb.</u>	*ğ <sup>o</sup> aza	T <u>to dry out slightly</u>
*ğ <sup>o</sup> aze	<u>haze, light fog, steam</u>	*Pğ <sup>o</sup> əza, -ʒa	<u>narrow, tight</u>
*wəzə	<u>pain, disease</u>	*ħarza	T <u>swan</u>
*mazə	<u>forest</u>	*ħarza	T <u>to soar, hover</u>
*nazə	<u>hem, border, edge</u>	*ħaza	<u>"vertjačka" (a disease of sheep)</u>
*t:aza	<u>crooked</u>	*maza	<u>moon, month</u>
*tərza	T <u>to sport, gambol (horse)</u>	*naza	<u>squint-eyed</u>
*Tq <sup>o</sup> aza	T <u>twins</u>		
*x <sup>o</sup> arza	K <u>to soar, hover</u>		

24. Pz

\*Pzə -- B bze/bzə female (< \*S<sup>o</sup>zə < \*ş<sup>o</sup>eze).

\*Pz(a) -- B bz(a)/bz(a) to cut cloth, (in)tr., T tr. also to operate.

\*Pza -- B bza/bza language.

\*Pza -- B bza/bza bowstring, spring.

\*Pza -- B -bza/-bza intensely, strongly, quite (suffix w. color names, e.g. \*Pλe-ž'e-Pza bright red, quite red).

\*wePzeta -- .../webzeta to cut, shred.

\*Pzex<sup>o</sup>e -- T bzefe/bzex<sup>o</sup> linden.

\*wePzex<sup>o</sup>e -- .../webzex<sup>o</sup> to plan, make layout for, tr.

\*Pzepxa -- B bzepxa/bzepxa pattern (for cutting).

\*Pzečga -- B bzęga/bzečga slice, piece, T cut-off piece.

\*Pzečga -- B bzęga/bzečga clear (esp. about winter nights).

\*Pzeye -- B bzeye/bzey ray of light, K mača-bzey flame (mača fire).

\*Pzeye -- .../bzey corn-stalk.

\*Pzewe -- B bzewe/bzew sparrow, bird (generic).

\*PzaPza -- S bzabza/... a type of grass.

\*Pzaga -- B bzǎž'a/bzaga evil; to make mischief.

\*Pzaxe -- B bzaxe/bzax to disappear.

\*Pzak:<sup>o</sup>a -- B bzǎk:<sup>o</sup>a/bzāg<sup>o</sup>a dumb (without speech).

\*Pzag<sup>o</sup>e -- B bzag<sup>o</sup>e/bzag<sup>o</sup> tongue.

\*Pzačga -- B bzǎčga/... wrong (inner) side of textile.

\*Pzay(a) -- B bzāya, bzaye/bzay to lick, itr. and tr.

\*\*\*

*dePze	S <u>veranda</u>	*č:aPza	<u>to become transparent by settling (of fluids)</u>
*č:əPze	<u>mare</u>	*λaPza	K <u>mark on feet of domestic birds</u>
*yaPze	<u>stable manure/slops, swill from stable manure</u>	*xaPza	<u>usage, tradition, law</u>
*č:əPza	B <u>autumn wool</u>	*PgePza	<u>to curse</u>
*PzaPza	S <u>a type of grass</u>	*q:aPz(a)	<u>clean, to clean</u>
*č: <sup>o</sup> aPza, -Pža	<u>plowshare</u>	*gePza	<u>lament (song)</u>
*č: <sup>o</sup> əPza	<u>sieve</u>	*ThaPz(a)	<u>token, mark</u>
*č: <sup>o</sup> aPza	<u>bow and arrow</u>	*wePza	<u>to try to ingratiate oneself</u>
*č: <sup>o</sup> aPza	<u>lining</u>		

25. s

\*še -- B še/še to become visible, apparent, usually w. local prefixes, but cf. B naf ma-še/nax<sup>o</sup> ma-š it dawns, becomes light (\*nax<sup>o</sup>e light, \*ma- dynamic prefix in 3rd pers. itr.).

\*še -- T baž'a-še/... jackal besides baž'a fox.

\*š(a) -- B š(a)/š(a) to weave (cloth, thread), braid (belt, lasso), (in)tr.

\*ša -- B ša/ša a hundred.

\*šebe -- S šebe/... to fill (as sack).

\*šePq:(a) -- B šepq:a/šePq real, genuine, complete.

\*šeč<sup>o</sup>a -- B šeč<sup>o</sup>a/šeč<sup>o</sup>a to wear mourning.

\*šeñ(a) -- B šeñha, šeñe/šeñ deer.

\*wəşey(a) -- T wəşey(a)/wəşey, ya-wəşeyə to admonish, exhort, K wəşeyā-k<sup>o</sup>a teacher, instructor.

\*şəna -- B şəna/şəna lamb.

\*şaba -- B şaba/şaba soft (material, character).

\*şas(a) -- B şəşa/şəşa to crumble, fall apart, q:ə-y-ğ-a-şasə/qə-y-ğ-a-şas to pour out (dry substances), B also cause to rustle (as silk) (\*q:- hither, y- hollow space).

\*şasa -- B ?<sup>o</sup>e-şəşa/?<sup>o</sup>e-şəşa to whisper (prob. identical w. preceding).

\*şale -- T ğ-a-şale/... year ğ-a with good harvest, S rainy weather.

\*şax<sup>o</sup>e -- B şafe/şax<sup>o</sup> secret.

\*şağə -- B şəğə/şəğə (round) braid, lace (as adornment).

\*şaya -- S şaya/... squirrel. Cf? B ş<sup>o</sup>aya rat.

\*şawa -- B şəwa/şəwa youth, esp. bridegroom, T also son.

\*\*\*

*ş <sup>o</sup> aşə	<u>trust, confidence</u>	*wəlaşa	<u>S to pound, crush</u>
*wəşə	<u>to trot</u>	*k: <sup>o</sup> əşa	<u>cradle</u>
*paşa	<u>big, ancestor, S grownup</u>	*k <sup>o</sup> aşa	<u>T to sneak up</u>
*dəşa	<u>gold</u>	*Pəşa	<u>weaver's comb</u>
*şəşa	<u>to crumble, be poured out, rustle</u>	*ğ <sup>o</sup> əş(a)	<u>to dry out, dry</u>
*şaşa	<u>to whisper (*q<sup>o</sup>e-)</u>	*wəşa	<u>T to stuff, fill</u>
*Pşaşa	<u>girl/maiden</u>	*məşa	<u>bear</u>
*Pc'aşa	<u>leaf, foliage</u>	*naşa	<u>T brow-ridges</u>

## 26. Ps

\*Pşə -- B pşə/pşə to get tired, K also to get out of breath.

\*Pşa -- B pşa/pşa neck, T q<sup>o</sup>aʒ'ā-pşa/q<sup>o</sup>aʒapşa upstream end of village (\*q:<sup>o</sup>aʒ'a).

\*Pşa(m)Pq<sup>o</sup>a -- B pşāpa S pşāp<sup>o</sup>a/pşāmpa collar (of clothing).

\*Pşabə -- T pşabə/... back of neck.

\*Pşaşa -- B pşāşa/pşāşa girl/maiden.

\*Pşağ<sup>o</sup>e -- B pşāğ<sup>o</sup>e/ pşax<sup>o</sup> chain/collar (as of dog).

\*\*\*

*λaPşə	<u>god of the smiths</u>	*qəPşa	<u>wrist</u>
*λaPşa	<u>ankle</u>		

## 27. ȝ

\*ȝə -- B ȝə/ȝə old; inveterate.

\*ȝ(a) -- B ȝa/ȝa to be baked, roasted, scorched, T p-ya-ȝə to burn the end p- of stg. (e.g. one's hand); prob. also in T ȝa-ğ-a-wəzə/ȝa-n consumption (-ğ-a -ness, wəzə disease, -n verbal noun).

\*za -- T p-ya-za-n/p-ay-za to go to meet sb., often 2nd element w. verbs of motion: \*p<sup>h</sup>-ya-č:a-za run to meet, etc.

\*za -- T ʐa-ʐəya/ʐa-ʐay kidneys. Cf. next item.

\*ʐəya -- B -ʐəya/-ʐay small.

\*ʐaʐa -- B ʐaʐa/ʐaʐa slow, lingering, dawdling.

\*ʐarq:ə -- S ʐarq:ə/... pole w. branches on which herdsmen hang sacks, etc.

\*ʐawə -- B ʐawə/... Russ. xozjain.

\*ʐama -- T ʐāma/... a kind of cakes baked for funeral repast.

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* <u>p<sup>h</sup>əʐə</u>	<u>hedgehog/blackthorn</u>	* <u>yəʐə</u>	<u>antiquity, ancient</u>
* <u>Pse(n)ʐə</u>	<u>mud, mire</u>	* <u>naʐə</u>	T <u>to be keen on stg. (ya-)</u>
* <u>g<sup>o</sup>əʐə</u>	T <u>anger, malice, grudge</u>	* <u>ʐaʐa</u>	<u>slow, lingering, dawdling</u>
* <u>Sx<sup>o</sup>əʐə</u>	<u>pelvis</u>	* <u>ʐəʐə</u>	<u>to hurry/to be bold, decisive, frenzied</u>
* <u>q<sup>h</sup>əʐə</u>	<u>pear</u>	* <u>ʐaʐa</u>	<u>to solder</u>
* <u>g<sup>o</sup>ərʐə</u>	B <u>roof-tiles</u>		

## 28. Pz

\*Pza -- B bʐa/bʐa horn, drinking-vessel, in compounds also nail, hoof.

\*Pzap<sup>h</sup>a -- T bʐāpa/bʐapa precipice.

\*Pzaʂ<sup>o</sup>ə -- B bʐaʂ<sup>o</sup>ə/bʐaf feeding-bottle. T also bʐaʂ<sup>o</sup>ə.

\*Pzała -- T bʐāla/... round basket used as form for cheese.

\*Pzaq:<sup>o</sup>a -- B bʐaʂ<sup>o</sup>a/bʐaʂ<sup>o</sup>a horn (of cow, etc.).

\*Pzana -- B ʐa-, ʐa-bʐāna/ʐa-, ʐa-bʐāna finger-, toe-nail.

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* <u>p<sup>h</sup>aPza</u>	<u>bush, shrub</u>	* <u>ʐaPza</u>	<u>hoof, claw/root, foundation</u>
* <u>cePza</u>	T <u>to swell</u>		

## 29. ʂ, Sq

(The possibility Sq as opposed to ʂ has been reported for Sqə to know only).

\*ʂe -- B ʂe S ʂe/ʂe to make, build, tr.

\*ʂa -- T pə-ʂa-n/pə-ʂa to tie stg. to (the front end pə-) of stg., tr.

\*ʂa -- T tya-ʂa-n/... to pass (of time, tya- here since), in K only in the expression k<sup>o</sup>ad ʂ-ə-wa long ago, lit. much k<sup>o</sup>ad having passed (-ə past, -wa modal case).

\*ʂqa -- B ʂa S ʂqa/ʂa to know, tr., to perform, itr.

\*ʂaka -- T ʂac'a/ʂaka weeds, K also chaff.

\*ʂaxe -- B ʂaxe S ʂaxe/ʂax quickly, soon.

\*ʂag<sup>o</sup>a -- B ʂag<sup>o</sup>a/ʂag<sup>o</sup>a important, interesting, rare, T also miraculous; B ʂa-ʂag<sup>o</sup>a/ʂa-ʂag<sup>o</sup>a to astonish.

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* <sup>š</sup> əša	<u>beneficent, benefit, good deed</u>	* <sup>g</sup> asa	<u>life (time)</u>
*λəš(a)	<u>hired worker; earn as id.</u>	* <sup>g</sup> əš(a)	<u>to build (as dam)/dam</u>
*λaš(a)	<u>century (*-g<sup>o</sup>(a))</u>	* <sup>g</sup> əša	<u>to quarrel, swear, grumble</u>
		* <sup>g</sup> əša	T <u>to prance (of horse)</u>

30. Ps

\*P<sup>š</sup>(a) -- B p<sup>š</sup>(a)/p<sup>š</sup>(a) ten (times).

\*P<sup>š</sup>(a)P<sup>š</sup>(a) -- T p<sup>š</sup>ap<sup>š</sup>a/p<sup>š</sup>ep<sup>š</sup> to ferment, boil/to glitter, be iridescent.

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\*P<sup>š</sup>(a)P<sup>š</sup>(a) to ferment, boil, glitter \*naP<sup>š</sup>a brow-ridges

\*<sup>g</sup>əP<sup>š</sup>a lips

31. ç<sup>h</sup>o

\*ç<sup>h</sup>o<sup>ə</sup> -- T bzag<sup>o</sup>ə-rā-ç<sup>o</sup>ə/bzag<sup>o</sup>ə-ra-f to articulate badly, to burr (\*Pza-g<sup>o</sup>ə tongue, -rā-/-ra- instrumental), cf. also T λa-bg<sup>o</sup>ə-ç<sup>o</sup>ə walking with slanting feet (λa foot, bg<sup>o</sup>ə side). Prob. to be combined w. next item.

\*ç<sup>h</sup>o<sup>a</sup> -- B ?a-be-ç<sup>h</sup>o<sup>a</sup>/... mitt; possibly hand-hollow-slide (cf. \*ç<sup>h</sup>o<sup>a</sup>-x<sup>o</sup>a), though -be- may also be an extension of ?a (cf. \*λabe heel), or may represent a variant of connective -m-.

\*ç<sup>h</sup>o<sup>a</sup>x<sup>o</sup>a -- B ç<sup>h</sup>o<sup>a</sup>x<sup>o</sup>a/... to creep, slide.

32. ç:ə

\*ç:ə<sup>o</sup> -- B ç:ə<sup>o</sup>/və bull, ox.

\*ç:ə<sup>o</sup>nde -- B ç:ə<sup>o</sup>nde/vend rook.

\*ç:ə<sup>o</sup>(n)T<sup>č</sup>ka -- B ç:ə<sup>o</sup>et<sup>č</sup>ka T ç:ənt<sup>č</sup>ka/... to tear up.

\*ç:ə<sup>o</sup>aP<sup>č</sup>za, -Pza -- B ç:ə<sup>o</sup>abza/vab<sup>č</sup>za plowshare.

\*ç:ə<sup>o</sup>aq:a -- B ç:ə<sup>o</sup>aq:a/va<sup>č</sup>qa shoes.

\*\*\*

\*P<sup>č</sup>aç:ə<sup>o</sup> rafter/brace between rafter and beam

\*wəç:ə<sup>o</sup>a to stand, stand up(on), stop, halt, B also to get tired

\*Thaç:ə<sup>o</sup> wheat-flour dough

33. չ<sup>o</sup>

\*չ<sup>o</sup>a -- T չ<sup>o</sup>a/... to dam, fill, block up.

\*\*\*

\*ha(n)չ<sup>o</sup>a haystack, rick

34. s°

\*s°e -- B s°e/fə to get wet; to rot.

\*s°e -- B wa-s°e/... hail (meteorol.) (wa- sky, weather).

\*s°e -- B -s°e/-f suffix to be able to.

\*s°(a) -- B ye-s°e/ye-f to drink, tr. (ye- hollow, container), B ya-s°a/ya-fa to drink, itr.

\*s°a -- B s°a/fa hide, skin, leather, bark of tree, peel, etc.

\*s°a -- B s°a/fa color, appearance, T warade-s°a melody (warade song), cf. \*Pq:e. Orig. identical w. preceding item.

\*s°a -- B s°a/fa you, pl.

\*s°a -- B q:ā-s°a/qā-fa to dance (\*q:a- hither), T λa-pa-re-s°a to dance on the tips pa of the feet λa (-re- instrumental), T šha-ğā-s°a with shaking head šha; cf. also \*wəs°as°a.

\*s°eze -- B s°eze/fez woman.

\*s°e(n)c'e -- B s°eč'e/fəs to rob/to pluck (a bird), T s°enc'e/pə-fəs-e-k to tear up/to tear off (as fruit from tree) (pə- tip, -kə out of, away from).

\*s°ampa -- T s°ampa/... husk, skin, peel.

\*s°at:a -- B s°at:a/fāda a beverage made of corn; beverage (generic).

\*s°ant:e -- B s°ant:e/fand wineskin (B antiquated).

\*wəs°as°a -- T ğā-wəs°ās°a/wefāfa to (T cause to) rock, sway; caus. also to show (K by waving stg.).

\*s°aš:(a) -- B s°aš:a/fāṣa outfit, costume, uniform; to be worthy, fitting, K ğā-faṣ to equip, adorn.

\*s°aře -- T s°abře/fabř blow, stroke/maiming, mutilation.

\*s°ala -- B s°āla/fāla vessel, cup.

\*s°aga -- T s°āž'a/fāga luckless/ugly, unattractive.

\*s°ax°e -- T s°afe/fax° plain, steppe, smooth side of knucklebone used in bone game/bald.

\*s°aq:o -- T s°aq:o/faq:o bald.

\*s°(a)ğ'o -- B ya-s°eğ'o/fəğ'o to envy/envy (noun), T tya-wəs°ağ'o-a-n to envy (tya- on, etc.).

\*s°ağ'o -- B s°ağ'o/fağ'o pale.

\*s°aya -- B s°āya/... rat.

\*s°awe -- B s°awə/faw honey.

\*\*\*

*Psaš°e	<u>pregnant (of animals)</u>	*Psəš°(a)	<u>moisture</u>
*Pzəš°e	<u>feeding-bottle</u>	*wəs°as°a	<u>to rock, sway</u>
*ğ°as°e	T <u>saline soil; dust-colored, dusty</u>	*č'eš°a	<u>human skin, body</u>
*waş°e	B <u>hail</u> (meteorol.)	*λaş°(a)	<u>to pull, drag</u>
*naş°e	<u>blind</u>	*λaş°a	<u>harrow</u>
*tʰaş°a	K <u>field of grass, glade</u>	*Pλəş°a	<u>appearance/quality</u>
*wət:as°a	<u>to misbehave, T also to get drunk</u>	*gaş°(a)	<u>smooth</u>
		*kaş°a	S <u>ceiling</u>

*xas <sup>o</sup> a	B <u>steppe</u>	*q <sup>o</sup> eş <sup>o</sup> a	<u>shore, bank, edge</u>
*xas <sup>o</sup> a	See *Pxas <sup>o</sup> a	*ħas <sup>o</sup> a	<u>rubber</u>
*k: <sup>o</sup> eş <sup>o</sup> a	<u>sidewall of cart</u>	*ħas <sup>o</sup> a	<u>coat of mail</u>
*g <sup>o</sup> eş <sup>o</sup> a	S <u>glade</u>	*wes <sup>o</sup> a	K <u>to cover</u>
*Pxas <sup>o</sup> a	<u>treebark</u>	*was <sup>o</sup> a	<u>sky, heaven</u>
*q <sup>h</sup> oas <sup>o</sup> a	<u>boat</u>	*wenaş <sup>o</sup> a	<u>order, decree</u>
*q <sup>h</sup> oas <sup>o</sup> a	<u>trough, gutter</u>		

35. z<sup>o</sup>

*z <sup>o</sup> e	-- B z <sup>o</sup> e/v <sup>o</sup> e <u>to thaw (out)</u> , itr., cf. also T wa-z <sup>o</sup> -bāna/wa-v-bāna <u>rainy/prolonged rain</u> (K with dissimilation also walbāna), T wa-ya-z <sup>o</sup> a-ya <u>bad weather, rainstorm</u> (wa <u>sky, weather</u> , ya <u>bad</u> ).
*z <sup>o</sup> a	-- B z <sup>o</sup> a/va <u>to plough, itr. and tr.</u>
*z <sup>o</sup> a	-- B z <sup>o</sup> a/va <u>to be boiled (of food), itr.</u>
*z <sup>o</sup> a	-- S z <sup>o</sup> a/... <u>oar</u> .
*z <sup>o</sup> ənTxa	-- T wez <sup>o</sup> əntxa/... <u>to spit</u> (K webzətxa).
*z <sup>o</sup> eġa	-- T z <sup>o</sup> eġa/... <u>mass, multitude</u> .
*z <sup>o</sup> əwe	-- B z <sup>o</sup> əwe/v <sup>o</sup> w <u>to buzz, hum, itr.</u>
*z <sup>o</sup> at: <sup>o</sup> e	-- B z <sup>o</sup> at: <sup>o</sup> e/... <u>to make merry</u> .
*z <sup>o</sup> az <sup>o</sup> e	-- T pa-z <sup>o</sup> az <sup>o</sup> e/... <u>to drip off</u> (pa- <u>tip</u> ).
*z <sup>o</sup> ak <sup>h</sup> o <sup>o</sup> e	-- B z <sup>o</sup> ak <sup>h</sup> o <sup>o</sup> e/... <u>red-hot coals</u> .
*z <sup>o</sup> ax <sup>o</sup> a	-- T z <sup>o</sup> āfa/... <u>oil cakes for cattle</u> .
*z <sup>o</sup> arq <sup>h</sup> o <sup>o</sup> e	-- B z <sup>o</sup> arq <sup>h</sup> o <sup>o</sup> e/... <u>troubled (of water), stifling</u> . Cf. *wəz <sup>o</sup> arq <sup>h</sup> o <sup>o</sup> e.
*z <sup>o</sup> aP <small>x</small> e	-- B ġa-z <sup>o</sup> ap <small>x</small> e/ġa-vap <small>x</small> <u>to pour boiling water over stg.</u>
*z <sup>o</sup> aP <small>x</small> <sup>o</sup> e	-- T z <sup>o</sup> ap <small>x</small> <sup>o</sup> e/... <u>girl in relation to wet-nurse</u> .
*z <sup>o</sup> a(S)ħ <sup>o</sup> e	-- T z <sup>o</sup> ax <sup>o</sup> e-ġa/vaš <sup>o</sup> <u>oversight, omission/to make an id. (-ġa past, also suffix for nomina actionis and abstracta)</u> .
*z <sup>o</sup> ag <sup>o</sup> a	-- B z <sup>o</sup> āg <sup>o</sup> a/vāg <sup>o</sup> a <u>star</u> .

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*baž <sup>o</sup> e	<u>(year w. good) harvest</u>	*cəz <sup>o</sup> (a)	<u>to make off/to whirl, fly</u>
*cəz <sup>o</sup> e	<u>bug, T a kind of fly</u>	*Psež <sup>o</sup> a	<u>boiling water</u>
*zaž <sup>o</sup> e	<u>narrow</u>	*ħaz <sup>o</sup> a	T <u>to be late, overdue</u>
*z <sup>o</sup> az <sup>o</sup> e	T <u>to drip off</u>	*g <sup>o</sup> ež <sup>o</sup> a	<u>to be late</u>
*q <sup>o</sup> ež <sup>o</sup> e	<u>thick (layer, fluid), fat</u>	*ħaz <sup>o</sup> a	<u>grain harvested</u>
*ħaz <sup>o</sup> e	<u>puppy</u>	*məž <sup>o</sup> a	<u>stone</u>

36. s<sup>o</sup>

*š <sup>o</sup> e	-- B š <sup>o</sup> e/... <u>liver</u> .
*š <sup>o</sup> (a)	-- B š <sup>o</sup> e/š <sup>o</sup> e <u>good</u> , B -š <sup>o</sup> a/-š <sup>o</sup> a <u>good</u> , B ġa-š <sup>o</sup> a-n/ġa-š <sup>o</sup> a <u>to pamper, spoil</u> , T also <u>to cherish (a person)</u> .
*š <sup>o</sup> eč(a)	-- B š <sup>o</sup> eča S š <sup>o</sup> esa/š <sup>o</sup> eca <u>black</u> , B wəš <sup>o</sup> eče/wəš <sup>o</sup> eč <sup>o</sup> <u>to become black</u> .

\*ş<sup>o</sup>əşə -- B ş<sup>o</sup>əşə/fəşə beneficent, benefit, good deed.  
 \*ş<sup>o</sup>ec̄'a -- T ş<sup>o</sup>ec̄'a/fəşə gratitude.  
 \*ş<sup>o</sup>əλə -- B ş<sup>o</sup>əλə/... to suck.  
 \*ş<sup>o</sup>ənke -- B ş<sup>o</sup>ənke/kef (metathesis) dark, B wəş<sup>o</sup>ənke/wəfənke, wənkef  
to go out (as light), be extinguished. Cf. \*keş<sup>o</sup>ə.  
 \*ş<sup>o</sup>əye -- T ş<sup>o</sup>əye/... to squeak, cheep.  
 \*ş<sup>o</sup>aba -- T ş<sup>o</sup>aba/... (to do stg.) in a hurry.  
 \*ş<sup>o</sup>aşə -- B ş<sup>o</sup>aşə/fəş trust, confidence.  
 \*ş<sup>o</sup>ala -- B ş<sup>o</sup>ala/fəla front legs of horse, cattle, K also hoof.  
 \*wəş<sup>o</sup>arq<sup>h</sup>ə -- T əga-wəş<sup>o</sup>arqə SM -xe/... to trouble, make muddy. Cf. \*z<sup>o</sup>arq<sup>h</sup>ə.  
 \*ş<sup>o</sup>aq<sup>o</sup>ə -- B ş<sup>o</sup>aq<sup>o</sup>ə/fəq<sup>o</sup> (to turn) sour.  
 \*ş<sup>o</sup>ayə -- B ş<sup>o</sup>ayə/fay dirty.  
 \*ş<sup>o</sup>ana -- B ş<sup>o</sup>ana/fəna hoe.

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*keş <sup>o</sup> ə	<u>dark(ness)</u>	*Pz̄'əş <sup>o</sup> a	<u>stately</u>
*qaş <sup>o</sup> ə	<u>sweet</u>	*g <sup>o</sup> əş <sup>o</sup> a	<u>to be glad</u>
*waş <sup>o</sup> ə	<u>fine weather</u>	*Pq:əş <sup>o</sup> a	<u>well-built</u>
*naş <sup>o</sup> ə	<u>benevolent</u>	*g <sup>o</sup> aş <sup>o</sup> (a)	<u>easy</u>
*Psh̄'aş <sup>o</sup> (a)	<u>cook; to cook</u>	*maş <sup>o</sup> a	<u>fire</u>

### 37. čh̄

\*čh̄'ə -- B şh̄'ə-/şə- salt, cf. \*čh̄'əg<sup>o</sup>ə, \*čh̄'əwə, poss. also \*čh̄'əPse.  
 \*čh̄'(a) -- B şh̄'ə/şə to milk, tr., B şh̄'a/şa milk.  
 \*čh̄'(a) -- B şh̄'(a)/ş(a) to take, bring, lead, drive out of (resp. into), tr.  
 \*čh̄'(a) -- B əga-şh̄'ə/əga-ş to bend, T to twist (rope), B ya-şh̄'a-č̄'ə/ya-  
 şə-k to wind stg. around stg. (\*ya...-k around) (cf. also \*čh̄'əha), B -şh̄'a/-şa crooked, cf. \*q<sup>o</sup>əčh̄'a, \*načh̄'a, etc.  
 \*čh̄'a -- B şh̄'a/şa arrow, bullet.  
 \*čh̄'ədə -- B şh̄'ədə/şəd donkey.  
 \*čh̄'əta -- T ş'əta/şəta to massage, T also to squeeze, squash.  
 \*čh̄'əPse -- B şh̄'əpsə/şəps Circassian national sauce (cf. also şh̄'əbž'əye/  
 şəbžəy pepper).  
 \*čh̄'əpza -- B şh̄'əbza/şəbza sieve.  
 \*čh̄'əla -- B şh̄'əla/şəla raw silk (Tu çile yarn, (silk) thread).  
 \*čh̄'əla -- B şh̄'əla/şəla middle (of summer, winter). Cf? \*čh̄'aga.  
 \*čh̄'əg<sup>o</sup>ə -- B şh̄'əg<sup>o</sup>a/şəg<sup>o</sup> salt.  
 \*čh̄'əh̄(a) -- B şh̄'əha/ya-şəh̄ to provoke sb.  
 \*čh̄'əha -- T ş'əha/şəha to roll, wind, wrap, B k<sup>o</sup>acə-şh̄'əha-n to wrap up  
 (k<sup>o</sup>acə- inside).  
 \*čh̄'əwe -- B şh̄'əwe/şəw to salt, tr.  
 \*čh̄'əne -- B şh̄'əne/şən pus, abscess, boil.

\*č̄'əna -- B š̄'əna/š̄ena to be afraid.

\*č̄'əre -- B š̄'əre/š̄er young of animal, cub, fledgeling.

\*č̄'at̄a -- B š̄'at̄a/š̄ata film on milk/cream.

\*č̄'apza -- B š̄'abza/š̄abza bow and arrow.

\*č̄'ak̄e -- B š̄'ač̄'e/š̄ak to bear, put up with. Cf. \*č̄'(a)qa.

\*č̄'ak̄e -- B š̄'ač̄'e/š̄ak suspicion, doubt. (Tu š̄ek doubt, but cf. also next item).

\*č̄'ak̄(a) -- B š̄'ač̄'e, š̄'ač̄'a/š̄ak, š̄aka to weigh, (in)tr.

\*č̄'aga -- T š̄'až'ā-č̄'a/š̄aga-č̄'a noon, dinner-time (č̄'a time). Cf. \*č̄'ela.

\*č̄'(a)qa -- B š̄'až'ā/š̄ež'ā to put up with, withstand (a burden). Cf. \*č̄'a-č̄'e. T š̄'araž

\*č̄'arxe -- B š̄'arxe/š̄arx wheel (Tu č̄ark, Pers. č̄arx).

\*č̄'apxe -- B š̄'apxe/š̄apx small shot.

\*č̄'(a)ye -- T š̄'aye/š̄ey to stick out (one's arm, finger).

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*p̄ač̄'e	<u>room</u>	*p̄ač̄'a	<u>leader</u>
*bač̄'e	<u>stick</u>	*lač̄'a	<u>lame, K also w. crooked legs</u>
*zač̄'e	<u>to be bored, tired</u>	*xač̄'a	<u>spy, scout/informer</u>
*ga(r/n)č̄'e	<u>bean, pea</u>	*Txeč̄'a	<u>hunchbacked</u>
*k̄o ač̄'e	<u>B to migrate (of nomads)</u>	*ḡo ač̄'(a)	<u>to distribute, divide</u>
*x̄o ač̄'e	<u>cramp, convulsion</u>	*q̄o a(n)č̄'a	<u>crooked; unjust</u>
*ḡo ač̄'e	<u>milk, milk products</u>	*q̄o eč̄'a	<u>w. crooked mouth/crooked, bent</u>
*ḡo ač̄'e	<u>T to lead sb. to meet sb.</u>	*x̄o eč̄'a	<u>mass, multitude, K also herd</u>
*weč̄'e	<u>to wake up</u>	*nač̄'a	<u>squint-eyed</u>
*mač̄'e	<u>millet (on the field)</u>		
*neč̄'e	<u>animal killed in honor of guest</u>		

38. Pč̄'

\*Pč̄'a -- B pš̄'a/pš̄a cloud(s).

\*Pč̄'en(a) -- T pš̄'en(a)/pš̄en to compensate, pay a debt, (in)tr., K pš̄enā-č̄'a debtor (č̄'a to go, also forms nomina agentis).

\*Pč̄'ena -- B pš̄'ena/pš̄ena accordion, B š̄e-č̄'a-pš̄'ena/š̄ekapš̄ena native violin, lit. horse-tail violin.

\*Pč̄'apha -- B pš̄'apha/pš̄apa dusk (T irregularly pč̄'apa).

\*Pč̄'apλe -- B pš̄'apλe/pš̄apλ twilight.

\*Pč̄'aḡo a -- B pš̄'aḡo a/pš̄aḡo a mist, haze.

\*Pč̄'are -- B pš̄'are/pš̄ar fatty layer, fat (as noun and adj.).

39. č̄:

\*č̄:əla -- B č̄:əla/ž̄ela seed(s), stone (of fruit).

\*č̄:əla -- B č̄:əla/ž̄ela (population of) village, aul. Prob. = preceding.

\*č: 'ež'a -- B č: 'ež'a/žeža far.

\*č: 'aš: 'e -- B č: 'aš: 'e/žaš night, cf? B ne-č: 'a-p:a/nə-ža-ba last night, tonight, where the elements \*ne-....-p:a, recurring in B n-ya-p:a/n-aw-ba today (cf? \*wa sky with dissimilation in W.Circ.?), etc., are unclear.

\*č: 'ame -- B č: 'ame/žam cow.

\*č: 'ane -- B č: 'ane/žan sharp, energetic, lively; pen-knife, T also razor. (Cf? Georg. ʒani health, strength, from Pers. ʒan soul).

#### 40. Pč:

\*Pč: 'e -- B pč: 'e/bže pike, lance, spear; T pagºa-pč: 'e fish-spear. Cf. \*Pč: 'aḡºe and possibly B pč: 'eč'a lightning.

\*Pč: 'a -- B pč: 'a/... waist (T pč ʒana).

\*Pč: 'agºe -- B pč: 'agºe/... middle, center, circle. Cf. \*gºePč: 'a.

\*Pč: 'aḡºe -- B pč: 'aḡºe/bžaḡº stake, pole.

\*Pč: 'aye -- B pč: 'aye/bžay plane tree.

\*Pč: 'ane -- B pč: 'ane/bžan she-goat.

\*\*\*

\*gºaPč: 'a brownish

\*gºePč: 'a B middle, center, circle

#### 41. ʒ'

\*ʒ'ə -- T ʒħā-ʒ'/ʒħa-ž everyone (ʒħa head).

\*ʒ'əle -- T ʒ'əle/žel- twelve-year animal cycle (Tu yıl, Kar ʒıl year).

\*ʒ'a(r)zə -- T ʒ'arzə/žaz bronze/brass, B ʒ'ažə bronze w. assimilation. (Nogay yez, ultimately from Mongolian zes copper).

\*ʒ'ala -- T ʒ'ala/žal withers (of horse).

\*ʒ'axa -- T ʒ'axā-ṣºa/žaxā-fa (surface \*ṣºa of) floor in house. Cf? T ʒ'anəqºa place before the hearth.

\*ʒ'aḡº(a) -- B ʒ'aḡºa/žaḡºa odious, unpleasant, T also enemy, B wəʒ'aḡºa/wəžaḡºa to get fed up with sb., tr. Cf? K yəž evil design, envy, yəža to envy, itr.

\*\*\*

\*λameʒ'ə bridge

\*baʒ'a fox

\*kʰanʒ'ə shallow

\*q:anʒ'a magpie

\*Pxanʒ'ə distorted, crooked, wrong

\*q:ºaʒ'a village, aul

\*Pğºənʒ'ə inclined, bent, crooked

\*haʒ'(a) to grind

\*Pğºaʒ'ə ſ steppe

\*marʒ'a (interjection) "let's go!"

\*bə(n)ʒ'(a) navel

/call (to a group)

#### 42. Pʒ'

\*(P)ʒ'amešxə -- T ʒ'amešxə/bžamešx spoon. Cf. \*šx(a) to eat; -me- poss. syllabified connective (cf. \*λameʒ'ə).

\*\*\*

\*g<sup>o</sup>eP<sup>3</sup>'e Tuesday

## 43. c'

\*c'ə -- B c'ə/šə-māx<sup>o</sup>a winter (māx<sup>o</sup>a day).

\*c'a -- B c'a/ša new, young, fresh.

\*c'a -- T š'e-c'a/šə-ša to be in need, to be wanting (\*š<sup>h</sup>'e- general deixis).

\*c'a -- B ?<sup>o</sup>e-c'a/?<sup>o</sup>e-ša to meet, itr. (?<sup>o</sup>e- approaching, close).

\*c'ebe -- B c'ebe/šeb back, rear.

\*c'et<sup>h</sup>a -- B c'et<sup>h</sup>a/šeta to soak, itr. Cf? \*Thac'(a).

\*c'eš<sup>o</sup>a -- B c'eš<sup>o</sup>a/šefa human skin; body.

\*c'eke -- T pe-c'ec'e/pe-šek to break off, T itr. K tr. (pe- tip).

\*c'ex<sup>o</sup>e -- B c'efe/šex<sup>o</sup> pale/bluish, birch-color.

\*c'eq<sup>o</sup>e -- B c'e?<sup>o</sup>e/še?<sup>o</sup> button(s), fastening, T also c'e?<sup>o</sup>e w. dissim.

\*c'eq<sup>o</sup>e -- B c'e?<sup>o</sup>e/še?<sup>o</sup> upper part, top side.

\*c'eñ(a) -- T c'eñha-k<sup>o</sup>eñha/šeñ esteem, honor, authority.

\*c'ap<sup>h</sup>e -- B c'ap<sup>h</sup>e/šap hemp.

\*c'apa -- T λa-c'apa/λa-n-kāpa calf of leg/shin (λa leg).

\*c'at<sup>h</sup>e -- B c'at<sup>h</sup>e/šat saucer, "podstavka". Cf. next item.

\*c'aža -- B c'aža/šaža lining, "vsjaka ja podkladka". The lack of ā in K points to ša- under.

\*c'asa -- B c'asa/šasa beloved, lover.

\*c'aPza -- B c'abza/šabza lining. See comment under \*c'aža.

\*c'ac'(a) -- T c'ac'e/šaš(a) watch- or sleeping-tower in forest or field. See comment under \*c'aža.

\*c'ala -- B c'ala/šala youth, young man, boy.

\*c'ak<sup>o</sup>a -- B c'ak<sup>o</sup>a/šak<sup>o</sup>a felt cloak, "burka".

\*c'aq<sup>h</sup>o a -- T c'aq<sup>h</sup>o a/šaq<sup>h</sup>o a bread.

\*\*\*

*tač'e	<u>to undress, tr.</u>	*zanc'a	<u>straight</u>
*š <sup>o</sup> e(n)c'e	<u>to pluck (bird), tear up</u>	*š <sup>o</sup> eč'a	<u>gratitude</u>
*λač'e	<u>to rub off, clean</u>	*č'ac'(a)	<u>watch- or sleeping-tower</u>
*kač'e	<u>short (T of time only)</u>	*wePλa(n)c'(a)	<u>to fold in four</u>
*gęč'e	<u>to wash (laundry)</u>	*x <sup>o</sup> eč'(a)	<u>to wash the head</u>
*k <sup>h</sup> oac'e	<u>lap (portion of body)</u>	*q <sup>o</sup> e(n)c'(a)	<u>to push, shove</u>
*Tq <sup>o</sup> ac'e	<u>twenty</u>	*Pq <sup>o</sup> ac'(a)	<u>flattened, thin (also of fluids)</u>
*nač'e	<u>empty</u>	*Pq <sup>o</sup> ac'a	<u>to stir, K also to hurry</u>
*p <sup>h</sup> ac'a	<u>mustache</u>	*Tq <sup>o</sup> ac'a	<u>T S valley between mountains</u>
*pec'a	<u>to freeze, feel cold</u>	*x <sup>o</sup> e(n)c'a	<u>to rob, T also raid</u>
*Psenc'a	<u>light, swift</u>		

*T <sup>h</sup> o <sup>o</sup> (n)c'a	<u>to scrape, plane</u>	*Thac'(a)	<u>to wash</u>
*g <sup>o</sup> ec'a	<u>to dry out</u>	*mac'a	<u>(a) little, few</u>
*nac'a	<u>guest</u>	*nac'a	<u>to chaff, tease, mock</u>

44. P<sup>c</sup>'

\*P<sup>c</sup>'(a) -- B pc'a/p<sup>h</sup>a to weed, tr., K also to clean rough wool, B pc'a/p<sup>h</sup>a to weed, itr.

\*P<sup>c</sup>'(a) -- T pe-pc'a/pe-p<sup>h</sup>a to stick to, itr. (pe- tip; also w. other local prefixes), T ga-pc'e/ga-p<sup>h</sup> to glue, stick on, tr.

\*P<sup>c</sup>'a -- B pc'a/p<sup>h</sup>a price, importance, K also honor.

\*P<sup>c</sup>'eh(a) -- T pc'ehapa/p<sup>h</sup>eh, p<sup>h</sup>ehapa dream. Relation to B pc'eha T pc'eha K p<sup>h</sup>eha-sha evening uncertain; the correspondence B pc:/p<sup>h</sup> is irregular.

\*w<sup>o</sup>P<sup>c</sup>'at<sup>h</sup>a -- T w<sup>o</sup>pc'ata/w<sup>o</sup>p<sup>h</sup>ata to cut (e.g. meat), to shred.

\*P<sup>c</sup>'anta -- B pc'anta/p<sup>h</sup>anta to sweat.

\*P<sup>c</sup>'asa -- B pc'asa/p<sup>h</sup>asa leaf, foliage.

\*P<sup>c</sup>'awe -- B pc'awe/p<sup>h</sup>aw to yelp. Cf. \*P<sup>c</sup>aw<sup>o</sup>.

\*\*\*

\*w<sup>o</sup>(P)kaP<sup>c</sup>'e to husk, peel, clean

\*w<sup>o</sup>Tx<sup>o</sup>P<sup>c</sup>'e to shake out (as rug)

\*q<sup>o</sup>eP<sup>c</sup>'(a) articulate, clear, distinct

\*p<sup>h</sup>aP<sup>c</sup>'a because of

\*w<sup>o</sup>(P)kaP<sup>c</sup>'a to be buttoned, fastened

\*k<sup>h</sup>o<sup>o</sup>P<sup>c</sup>'(a) core, centre, kernel

\*g<sup>o</sup>eP<sup>c</sup>'a B having a good memory

\*q<sup>o</sup>eP<sup>c</sup>'a piece, portion, (\*Tx<sup>o</sup>-) vertebra

\*w<sup>o</sup>P<sup>c</sup>'a felt

\*w<sup>o</sup>P<sup>c</sup>'(a) to mow off, cut off

45. š<sup>h</sup>'

\*š<sup>h</sup>'e -- B š<sup>h</sup>'e/š<sup>h</sup>e to shear (sheep), tr.

\*š<sup>h</sup>'eph<sup>o</sup>a -- B š<sup>h</sup>'eph<sup>o</sup>a/š<sup>h</sup>epa first/for the first time.

\*š<sup>h</sup>'ek<sup>o</sup>e -- B š<sup>h</sup>'ek'e-n/š<sup>h</sup>ek to give oneself airs, K also to be surfeited (\*š<sup>h</sup>'e- poss. separable prefix, cf. T š<sup>h</sup>a-m ye-č'e-g he gave himself airs, lit. came out of his skin).

\*š<sup>h</sup>'eg(a) -- B š<sup>h</sup>'ege/š<sup>h</sup>ega beads.

\*š<sup>h</sup>'at<sup>h</sup>a -- B š<sup>h</sup>'at<sup>h</sup>a/š<sup>h</sup>ata to sigh.

\*š<sup>h</sup>'aq<sup>o</sup>e -- B š<sup>h</sup>'a<sup>o</sup>e/š<sup>h</sup>a<sup>o</sup>e to moan.

\*\*\*

\*keš<sup>h</sup>'e smithy

\*waš<sup>h</sup>'e axe

\*š<sup>h</sup>ash'a bow, greeting

46. P<sup>š</sup>h'

\*P<sup>š</sup>h'a -- B p<sup>š</sup>h'a-rā-h<sup>o</sup> T p<sup>š</sup>h'a-rē-ha/p<sup>š</sup>afa, p<sup>š</sup>af young man serving elder; cook/to cook, itr., cook; to cook, tr. (For -rā- see under \*č<sup>h</sup>o<sup>o</sup>;

the identity of the other segments is not certain).

#### 47. š:'

- \*š: 'ə -- B -š: 'ə/-šə lodging with roof (for guests, animals). Cf. \*k: 'ə-aš: 'ə.
- \*š: '(a) -- B š: '(a)/š(a) three (times).
- \*š: 'a -- B š: 'a/ša to sell, tr.
- \*š: 'əš: 'ə -- B š: 'əš: 'ə/šəš to neigh.
- \*š: 'ax<sup>0</sup>(a) -- B š: 'āfa, q:a-š: 'afe/šāx<sup>0</sup>a, q-a-šax<sup>0</sup> to buy, itr. and tr. (\*q:a- hither).

\*\*\*

*t:əš: 'ə	<u>relatives of wife</u>	*q'aš: 'ə	<u>cattle-enclosure/cattle</u>
*č: 'aš: 'ə	<u>night</u>	*g <sup>0</sup> əš: 'a	<u>pityful, alas!</u>
*š: 'əš: 'ə	<u>to neigh</u>	*g <sup>0</sup> aš: 'a	<u>princess, husband's mother, T also wife, K also doll</u>
*k: 'əš: 'ə	<u>shelter for cart</u>	*g <sup>0</sup> aš: 'a	<u>to lose one's way</u>

#### 48. Pš:'

- \*Pš: 'ə -- B pš: 'ə/pšə feudal prince.
- \*Pš: 'ə -- B pš: 'ə/pšə to measure (dry substances), to fill (a sack, the traditional measure of dry substances). Cf. \*Pš: 'əla.
- \*Pš: 'ə -- B pš: 'ə/pšə to swell up.
- \*Pš: 'ə -- B č'a-ča-pš: 'ə/ša-ča-pš to winnow (\*č'a- down, under).
- \*Pš: 'a -- B ya-pš: 'a/ya-pšə to blow at stg., itr.
- \*Pš: 'əλə -- B pš: 'əλə/pšəλ serf, slave.
- \*Pš: 'əq: 'ə -- B pš: 'əq: 'ə/pšəq: 'ə husband's brother.
- \*Pš: 'əq: 'ə -- B pš: 'əq: 'ə/pšəq: 'ə temporary lodging of wattle.
- \*Pš: 'əPx<sup>0</sup>ə -- T pš: 'əpš<sup>0</sup>ə/pšəpš<sup>0</sup> husband's sister.
- \*Pš: 'əla -- B pš: 'əla/pšəla container used for measuring dry substances.

\*\*\*

- \*Tq<sup>0</sup>əPš: 'e to release, set free
- \*haPš: 'a B to pant, breathe heavily

#### 49. ž'

- \*ž: 'ə -- B ž: 'ə/žə air, wind.
- \*ž: 'ə -- B ž: 'ə/žə-wa early (-wa modal case), T ča-ž: 'ə to quicken, hasten.
- \*ž: 'ə -- B ž: 'ə/žə to comb (hair), tr. Cf. \*maž: 'ə.
- \*ž: 'ə -- B -ž: 'ə/-žə suffix -colored, cf. \*Pλež: 'ə, etc.
- \*ž: '(a) -- B ž: 'ā-bg<sup>0</sup>a/ye-ž right side (bg<sup>0</sup>a side, ye- prob. 3rd pers. sg. possessive); T has irregularly ž: 'āb<sup>0</sup>a.
- \*ž: 'a -- B ya-ž: 'a/ya-žə to go, leave, itr.

\*ž'a -- B f-ya-ž'a/x<sup>0</sup>-ay-ža to begin, undertake, itr. (\*x<sup>0</sup>- for, to).  
Prob. identical w. preceding item.

\*ž'əx<sup>0</sup>ə -- B ž'əfə/žəx<sup>0</sup> fan.

\*ž'ər̥ga -- B ž'əb̥ga/žəb̥ga wind.

\*ž'əw(a) -- T ž'əwə/žəwə shadow, shade, K also parasol, umbrella.

\*\*\*

*Pλəž'ə	<u>red</u>	<u>fault, to wear out (of clothes)</u>
*P <sup>0</sup> kež'ə	<u>to fade (of fabrics)</u>	*həž'a <u>to yearn, pine</u>
*x <sup>0</sup> əž'ə	<u>white</u>	*yaž'a <u>ashes</u>
*g <sup>0</sup> əž'ə	<u>yellow</u>	*wəž'(a) <u>weasel</u>
*č:əž'a	<u>far</u>	*maž'a <u>comb</u>
*laž'(a)	<u>to work (at), work, misery,</u>	

### 50. Pž'

\*Pž'ə -- B bž'ə/bžə yoke.

\*Pž'a -- B bž'ə/bžə bee.

\*Pž'əš<sup>0</sup>a -- B bž'əš<sup>0</sup>a/bžəf̥a stately.

\*Pž'əPž'(a) -- T q-ya-bž'əbž'a/bžəbž to burn, smart (q- hither).

\*Pž'əg̥a -- B bž'əg̥a/bžəg̥a grease-stain on clothing.

\*Pž'ənə -- B bž'ənə/bžən onion.

\*Pž'əš<sup>0</sup>ca -- T bž'əš<sup>0</sup>a/bžəp̥ca drone.

\*Pž'əq̥a -- B bž'əq̥a/bžəq̥a bee-garden, apiary.

\*\*\*

*nePž'ə	<u>age</u> , K also <u>shadow</u>	*čePž'a	<u>bumblebee</u>
*Pž'əPž'(a)	<u>to burn, smart</u>	*lePž'(a)	<u>to fry/a meat-dish</u>

### 51. čh

\*čhə -- B šhə/šə sibling, brother.

\*čhə -- B šhə/šə horse.

\*čha -- B šhə-/ša- beeswax, cf. \*čhakh<sup>0</sup>a, \*čhax<sup>0</sup>ə; cf? also K mazə-š wood-pitch, resin (maz wood, forest).

\*čhəPsa -- B šhəpsa/šəpsa fairy-tale. The word exhibits metathesis, cf. B pšhəasa-ž id. (žə old), T pšəsa (SM šəpsa). K also psəsa. Cf. further B g<sup>0</sup>ə-pšhəsa/g<sup>0</sup>əpsəsa to think where K again has dentals. The original form can alternatively be \*Pčhəsa, with a unique segment \*Pčhə. A remote connection with \*wəsə compose (song), write (story) is possible.

\*čhəPzə -- B šhəbzə/šəbz mare.

\*čhəx<sup>0</sup>ə -- B šhəx<sup>0</sup>ə/šəx<sup>0</sup> gelding.

\*čhəPx<sup>0</sup>ə -- B šhəpx<sup>0</sup>ə/šəpx<sup>0</sup> sister.

\*čhəwə -- B šhəwə/šəw horseman.

\*čhəsə -- B šhəsə/šas surety, pledge.

\*č<sup>h</sup>ase -- B š<sup>h</sup>ase/šas to mount a horse.  
\*č<sup>h</sup>ak<sup>h</sup>o<sup>a</sup> -- B š<sup>h</sup>ak<sup>h</sup>o<sup>a</sup>/šak<sup>o</sup>a honeycomb.  
\*č<sup>h</sup>ax<sup>o</sup>e -- B š<sup>h</sup>afe/šax<sup>o</sup> refined beeswax.  
\*č<sup>h</sup>(a)č<sup>o</sup>a -- B š<sup>h</sup>ax<sup>o</sup>a/šeč<sup>o</sup>a herdsman of horses.  
\*č<sup>h</sup>awa -- T šawa/šawa horse-driver, teamster.

\*\*\*

\*q:<sup>o</sup>ač<sup>h</sup>e brother, B also relatives \*Pčač<sup>h</sup>a rough, tough, spirited  
\*(P)la(n)č<sup>h</sup>a maple \*Pčač<sup>h</sup>a brittle, fragile

### 52. Pč<sup>h</sup>

\*Pč<sup>h</sup>ax<sup>o</sup>a -- B pš<sup>h</sup>ax<sup>o</sup>a/pšax<sup>o</sup>a sand.

### 53. č:

\*č:<sup>e</sup> -- B č:<sup>e</sup>/ž<sup>e</sup> to congeal, harden (as butter, wax, cement), itr.  
\*č:(a) -- B č:<sup>e</sup>/ž<sup>e</sup> to run (a distance), tr., (w. local prefixes:) to run, flow out, itr., B č:a/ža to run, flow (into), itr., T ža-če/ža-ž to cast, found. Cf. also \*žač:<sup>e</sup>.  
\*č:<sup>e</sup>g<sup>e</sup> -- B č:<sup>e</sup>g<sup>e</sup>/ž<sup>e</sup>g<sup>e</sup> tree.  
\*č:<sup>e</sup>ya -- B č:<sup>e</sup>ya/žay to sleep.  
\*č:<sup>e</sup>re -- T čer/žer steel (T also irregularly šer).  
\*č:<sup>e</sup>aPza -- T čabza/žabza to become transparent by settling (of fluid).  
\*č:<sup>e</sup>aPč<sup>h</sup>e -- T čapč<sup>h</sup>e/žapč<sup>h</sup> to dry up, dry out, itr.  
\*č:<sup>e</sup>ax<sup>o</sup>e -- T čaž<sup>o</sup>e/... to run the wrong way. Cf. \*č:(a).  
\*č:<sup>e</sup>ag<sup>o</sup>a -- T čag<sup>o</sup>a/... to become transparent by settling (of fluid). Cf. \*č:<sup>e</sup>aPza.

\*\*\*

\*žač:<sup>e</sup> to cut, carve out \*hač:<sup>a</sup> male goat

### 54. Pč:

\*Pč:(a) -- B pč:(a)/bž(a) to count, (in)tr.  
\*Pč:(a) -- B pč:<sup>e</sup>/... to bewail, tr., B pč:a/bža to lament, keen, itr.  
\*Pč:(a) -- B pč:a/bža door.  
\*Pč:(a)ža -- B pč:āža/bžeža number, quantity.

\*\*\*

\*p<sup>h</sup>aPč:<sup>e</sup> every time/equal, equivalent \*ž<sup>o</sup>ePč:a sickle  
\*žaPč:a B trail in forest; T (pa-) far, \*ž<sup>o</sup>ePč:a window (šna-)  
separated

## 55. č

\*čə -- B čə/šə earth, land, ground.  
 \*ča -- B ča/ša bottom (of vessels).  
 \*četə -- B četə/šet ditch.  
 \*čə(n)da -- T čənda/šəda peanut.  
 \*čəPča -- T čəpča/šəpča chernozem/rich soil.  
 \*čəPž'a -- T čəbž'a/šəbža bumblebee.  
 \*češ:ə -- B češ:ə/šeš surveyor.  
 \*čəla -- B čəla/šəla (dry) land, ground.  
 \*čəPλə -- T čəpλə/... beet.  
 \*čeg°ə -- B čeg°ə/šeg° surface of the earth, territory.  
 \*čex°a -- B čəfa/šex°a debt, loan.  
 \*čeqə -- B T če'a S če'a cold (noun), cold weather. For the deglottalization in W.Circ. cf. \*čeq°ə.  
 \*čeqh°a -- B čeqh°a/... badger, lit. earth-pig.  
 \*č(a)Pq°a -- B čəpa, čapa S čep°a/šəpa land, terrain, district, parcel.  
 \*čaPča -- T čapča/... dark, dark grey, dark blue.

\*\*\*

*g°əčə	<u>iron</u>	*Pxaca	B <u>bottom</u>
*wəčə	<u>open place at river-bank/to gape, open wide (mouth, hand)</u>	*q:ənča	<u>jackdaw/rook</u>
*λača	<u>foundation, bottom</u>	*q:əč(a)	<u>to cut, hew, trim</u>
*λača	<u>possessions, inventory of house</u>	*meča	<u>precious stone (in ring)</u>
		*nača	<u>hollow under eyes</u>

## 56. Pč

\*Pčə -- B pčə/qa-pš to swarm (of bees), itr. (qa- hither).

\*\*\*

\*wəPč(a) to ask

## 57. šh

\*šhəpča -- B šhəpča, q:a-šhəpčə/šəpa, qə-šəp to collect, pick up one by one, (in)tr., K also to peck (\*q:a- hither); K xa-šəpə-k to choose, pick out (xa- mass, group, -k out of).

\*šhəpla -- B šhəbla/šəbla thunder/lightning (originally name of the god of thunderstorms).

\*šhəg°ə -- B šhəg°ə/šəg° mountain top, top part/plateau, surface.

\*šhathə -- B šhathə/... to try out, check.

\*šhə(n)gə -- B šhə(n)gə/šag stack, rick (round, cf. \*ha(n)gə).

\*šhake -- B šhac'ə/šak cloth, textile.

\*š̥al̥xa -- B š̥ap̥xa/š̥ap̥xa measure, size, example. Cf. \*š̥ath̥a; note the formal-semantic similarity to \*š̥:e.

58. š:

- \*š̥:e -- B š̥:e/š̥e to measure (space), tr.
- \*š̥:(a) -- B š̥:a/š̥a-š̥ to ripen, to become soft (as cheese)/to cause to id.
- \*š̥:a -- B š̥:a/š̥a raw internal fat.
- \*š̥:a -- B ya-š̥:a/ya-š̥a to be after stg., hunt, fish.
- \*š̥:eq:°e -- B š̥:eq:°e/haq:°-seq:° vessels, plates and dishes (no separate meaning for haq:°, which can also be added in W. Circ.: B haq:°-, T haq:°-).
- \*š̥:əna -- B š̥:əna/... moist.
- \*š̥:aš̥:a -- B t̥ya-š̥aš̥:aš̥:a-n/... to pour (dry substances) onto t̥ya- stg. with a rustling sound.
- \*š̥:ak:°a -- B š̥:ak:°a/š̥ak:°a hunter; to hunt, itr.
- \*š̥:ane -- B š̥:ane/š̥an character/manners (cf? Tu š̥an glory, honor).

\*\*\*

*češ̥:e	<u>surveyor</u>	*š̥:aš̥:a	<u>to make a rustling sound</u>
*λaš̥:e	<u>strong</u>	*k̥aš̥:a	B <u>tussock, clump; to put out side-shoots</u>
*q:°eš̥:e	<u>smart, intelligent</u>	*qaš̥:a	<u>tool, weapon</u>
*(P)g:°eš̥:e	See (P)g:°e(P)š̥:e	*maš̥:a	<u>hole, hollow</u>
*š̥:aš̥:(a)	<u>outfit, costume; be fitting:</u> K also <u>to adorn, equip (š̥a-)</u>	*naš̥:a	<u>melon/cucumber</u>

59. Pš:

- \*Pš̥:(a) -- B pš̥:a T pš̥e/pš̥e to creep, itr.
- \*Pš̥:(a) -- B pš̥:a/pš̥e to knead, tr., cf? also K xa-pš̥a-n to put into (a mass xa-).
- \*Pš̥:at̥ha -- T pš̥ata/pš̥ata tanning solution, T also to be tanned. The reconstruction \*Pš̥: is based on the absence of examples of \*Pš̥h and is therefore not absolutely certain.

\*\*\*

\*(P)g:°e(P)š̥:e millet-straw \*g:°ePš̥:a to be forgotten

60. ž

- \*ž(a) -- B že/qa-ž̥ to vomit (qa- hither), T q:°a-ža to vomit in a corner q:°a-.
- \*ža -- B ža/ža mouth, jaws, lower jaw.
- \*ža -- B λa-g:°a-n-ža/λa-g:°a-ža knee (B ž automatic after n): λa leg, g:°a uncertain. Cf? \*žaPq:e chin, steep hill. In view of \*ža referring to the lower jaw, the homonymy of IE \*g'enu- (n.) knee and \*g'enu- (f.) chin is worthy of note.

\*ža -- B ža/ža sleigh, sledge, T also ža children's sled.  
 \*ža -- B ya-ža/ya-ža to wait, expect, itr.  
 \*žanta -- T žanta/žanta place of honor (away from door, near hearth).  
 \*žala -- T žala/... gills of fish.  
 \*žaka -- B žac'a/žaka beard.  
 \*žaPq:e -- B žapq:e/žapq chin, B also steep hill.  
 \*ža(r)ž'e -- T žax'e/žax', žarež' chatterbox/coarse; boor.  
 \*žaž'e -- T žaž'e/žaž' chin/base of lower jaw.  
 \*žaž'e -- T žaž'e/žaž' foot of mountain.

\*\*\*

\*wěže tracks \*qaža T to hold back, restrain  
 \*qaža sleigh, sled

### 61. Pž

\*Pže -- B bže/... vine, liana. Cf. \*Pžala  
 \*Pža -- B bža/bža span (measure), also B bžeyz/bžeyz, K ?adaqā-bža  
 ('adaqā top of hand-palm).  
 \*Pžebə -- T bžebə/ža-bžeb cupped hand, handful ('a hand), K also 'a-bžeg'.  
 \*Pžeža -- B bžeža/bžeža flea.  
 \*Pžeha -- B bžeha/bžeha autumn, S winter.  
 \*Pžeme -- T bžeme/... fist.  
 \*Pžala -- B bžala/... liana.  
 \*Pžama -- T bžama/... bunch (prob. handful) of hemp for spinning.

\*\*\*

\*š'apže blow, stroke/maiming, muti- \*k'hePža portant  
lation (to be) angry ring of twigs for tying  
 \*g'əPže strongly/quick, strong, im- stakes of wattle

### 62. λ

\*λe -- B λe/λe blood.  
 \*λ(a) -- B λe/λe to lie, be in lying position (only w. local prefixes),  
 K pə-λ to hang (pə- tip), T zə-š'-ya-λa he puts it on (clothing) (zə- oneself, š' - location), T pə-λa to hang.  
 \*λ(a) -- B λe/λe to whet, sharpen, T pə-λa to sharpen (e.g. the point of a needle), K λa-ps water pse used in tempering metals, sharpening scythes.  
 \*λ(a) -- B λe/λe to fall upon, jump upon, itr., B λa/λa to jump.  
 \*λa -- B λa/λa foot, leg.  
 \*λa -- B -λa/-λa vessel, container; surface (of the earth), K λa place, a form without a in \*Txəλə.  
 \*λət̥a -- B λət̥a/λəta to count, to consider, tr.

\*λερ'ca -- .../λερ'ca clot of blood.

\*λεντχ'a -- B λετφα/λεντχ'a artery. < \*λε-n-x'a lit. blood-sinew.

\*λεχ'(a) -- B λεχ'(a)/λεχ'(a) to look for, (in)tr. In part of the forms λε- is treated as the separable prefix after.

\*wελεγε -- T wελεγε/wελεγ to rust.

\*λενα -- T λενα/λενα birds' fat.

\*λερε -- T s'α-λερε/fa-λερ strip of skin, T also belt (\*s'α skin).

\*λαβε -- B λαβε/... butt of rifle, T also heel.

\*λαμβε -- .../λαμβ footprint.

\*λαρρ'α -- B λαρρ'α S λαρρ'α/λαρρ'α dear, expensive, precious.

\*λαθ'(a) -- B λαθ'α/λαθα to bounce, jump/to fly, B zε-š'ε-λατε/še-λατ to jump up (zε- oneself, \*š'ε- location), T xα-λατε to fall, jump out of (a mass xα-).

\*λαθ'α -- B λαθ'α/λαθα rennet (used to curdle milk), K also stomach.

\*λαδα -- B xα-λαδα/xα-λαδα to run, rush into (a mass xα-).

\*λαρ'ca -- B λαρ'ca S λαρ'ca/λαρ'ca barefoot, K also λαμ'ca.

\*λασε -- B λασε/λασ on foot, unmounted.

\*λασ(a) -- B λασε/λασ to wash, rinse, to card (flax), tr., K λασα id. itr.

\*λαρσε -- T λαρσε/λαρσ leather strap for tying up shoes, shoelace.

\*λαρσα -- T λαρσα/λαρσ root, foundation, reason/homeland.

\*λαρζα -- .../λαρζ mark on feet of domestic birds.

\*λαρσε -- T λαρσε/λαρσ god of the smiths.

\*λαρσα -- B λαρσα/λαρσ ankle.

\*λαρζα -- B λαρζα/λαρζ hoof, claw/root, foundation.

\*λασ'(a) -- B λασ'ε/λασ to pull, drag, T tya-λασ'α/tay-λασ to pull stg. on or over \*t'ya- stg.

\*λασ'α -- B λασ'α/λασ harrow. Prob. identical w. preceding.

\*λαζ'α -- T λαζ'α/... to be late, overdue. Cf. \*g'εζ'α.

\*λασ'ε -- B λασ'ε/λασ lame, K also with crooked legs.

\*λαμεζ'ε -- T λαμεζ'ε/λαμεζ bridge. With \*λα foot, \*-ζ'ε uncertain, -με- may either be the negative morpheme or a syllabified connective.

\*λασ'ε -- B λασ'ε/λασ to rub off, clean.

\*λασα -- B λασα/λασ foundation, bottom.

\*λασα -- T λασα/λασ property, possessions, inventory of house.

\*λασ:ε -- B λασ:ε/λασ strong.

\*λαλ(a) -- B λαλα/λαλα to fall apart, B za-pq:ε-ρε-λαλε/zapq:ε-ρε-λαλ id. (\*za-pq:ε-ρε- structured whole), K xα-ρα-λαλ, -λαλ to strew, pour into, resp. out of (a mass xα-).

\*λακ'ε -- .../λακ strong, firm, staunch (of person), ?ak-λακ thickset, strong (containing ?a arm, λα leg and an unclear element).

\*λαγα -- .../λαγα short, low (of vegetation).

\*λακε -- T λακ'ε/λακ force; to be able to/to be able to (K λα- prefix, cf. λα-με-κ to be unable to).

\*λαχα -- .../λαχα domicile, district.

\*λᾱga -- B λā̄ga/λā̄ga high.

\*λak:°a -- T λā̄k°a/λā̄g°a low (esp. of vegetation), K also short-legged.

\*λag°e -- B λag°e/λag° footsole, floor, valley, T wə-λag°e to trample.

\*λak°a -- T λā̄k°a/λā̄k°a grinder, sharpener of tools.

\*λax°e -- .../λax° feather-grass.

\*λaPq:ə -- B λaPq:ə/λaPq clan, tribe, kind, sort.

\*λača -- B λā̄ča/λā̄ča hobble; to hobble, S pse-λā̄ča whirlpool (psə water).

\*λaq:°a -- B λā̄q:°a/λā̄q:°a leg.

\*λač°(a) -- B λā̄č°a, ya-λač°e/λač°a, ya-λač° to request, B K λač°a request.

\*λač°e -- B λač°e/λač° fetters.

\*λač°e -- T λač°e/λač° trot.

\*λanTč°(a) -- T λanTč°e/pča-λanTč°a loose filaments/pole with branches for hanging up utensils, T λanTč°a-yə/λanTč°-ey combs, flocks/branch of creeping or winding plant (pča wood, -yə formative).

\*λač°(a) -- B λač°e/λač° to see, T ča-λač°a-n/ča-λač°a to show.

\*λač°a -- B λač°a/λač°a path, track, trail.

\*λaňa -- S λaňa/... rivulet.

\*λaya -- B λaya/λay woollen gaiters.

\*λaya -- T λaya/λay to move in jumps (e.g. gallop), T ča-λaya to lift up, B λaya to go to roost.

\*λawa -- B λawa/λawa scalpel for blood-letting.

\*λana -- T tħa-λana/tħa-λana oath (tħa god).

\*\*\*

*bələ	T <u>to be hidden</u>	*š°ala	<u>vessel, cup</u>
*tələ	<u>to lie down</u>	*š°ala	<u>front legs of horse, cattle</u> , K also <u>hoof</u>
*š°ələ	B <u>to suck</u>	*čəla	<u>(dry) land, ground</u>
*Tχələ	<u>letter (epistle), book</u>	*Pš:ala	<u>container for measuring dry substances</u>
*g°ələ	B <u>a marsh plant, T a kind of grass, tuft of maize</u>		
*q:ələ	K (bot.) <u>vjazel' pěstryj</u>	*λaλ(a)	<u>to fall apart</u>
*g°ələ	<u>to lie down</u>	*šxala	<u>manger</u>
*pʰala	<u>as if, standing for</u>	*Pğəla	<u>mountainous</u>
*p'q°ala	<u>time, term, K also habit</u>	*x°əla	K <u>crop of bird</u>
*t:ała	<u>to splash; shake (fist), rattle (sabre) (ča-)</u>	*čała	<u>gloves, mitts</u>
*ča(n)la	<u>to slip</u>	*ča(n)la	<u>trough</u>
*Pseła	<u>flask, K also marshy land</u>	*q:°ala	<u>to be turbulent/to boil</u>
*Psala	<u>word, speech</u>	*Tč°əla	<u>butter-dish</u>
*zała	<u>to get wrinkled (skin), K also to wither</u>	*ħ(a)la	<u>burden, heavy, difficult</u>
*Pčala	T <u>round basket used as form for cheese</u>	*wała	B <u>to totter, T to undulate</u>
		*nała	<u>single hair/fibre, filament</u>

## 63. Pλ

\*Pλə -- B pλə/pλə to blaze, get hot, itr.  
 \*Pλə -- B pλə-ž'ə/pλə-ž red (\*-ž'ə -colored).  
 \*Pλ(a) -- B pλa, ya-pλə/pλa, ya-pλ to look, resp. to look at, itr.  
 \*Pλəzə -- T pλəzə/pλəz to stare rigidly (of person lost in thought).  
 \*Pλəš'ə -- B pλəš'ə/pλəfa appearance/quality.  
 \*Pλež'ə -- B pλež'ə/pλež red.  
 \*Pλəq:<sup>o</sup>a -- T pλəq:<sup>o</sup>a SM pλəq:<sup>o</sup>a/... to cool off.  
 \*wəPλak:<sup>o</sup>ə -- T wəpλak:<sup>o</sup>ə/... to check up on, tr.  
 \*Pλaž'ə -- T ža-pλaž'ə/... to mislead sb., give wrong information.

\*\*\*

*p <sup>h</sup> aPλə	<u>red-nosed</u>	*Tž <sup>o</sup> aPλə	B <u>red-haired</u>
*'caPλə	T <u>red-haired</u>	*ňaPλə	<u>brown</u>
*Pč <sup>h</sup> 'aPλə	<u>twilight</u>	*'cePλ(a)	K <u>brown (of horse), scarlet</u>
*čePλə	T <u>beet</u>	*'q <sup>o</sup> aPλa	<u>glance, look</u>
*k <sup>h</sup> oəPλə	<u>brick-red, orange</u>	*g <sup>o</sup> aPλ(a)	<u>copper-red, red copper</u>

## 64. 1

\*lə -- B lə/lə meat, flesh, body.  
 \*lə -- B lə/lə to burn, itr.  
 \*l(a) -- T q-ya-lə/q-ay-l to be left over, survive (\*q:- hither), T mafa-lə/max<sup>o</sup>a-l a long time/an extra (superfluous) day (\*max<sup>o</sup>a day), T λa?<sup>o</sup>ā-la asking constantly, λapawa-la to stumble all the time. Cf. also \*ləya.  
 \*la -- B la/la to dye, paint, itr. and tr. (B tr. also žā-la).  
 \*la -- B -la/-la finger's breadth, cf. \*zala, \*Tq<sup>o</sup>ala, etc.  
 \*ləmp' -- .../ləmp' to be pressed, squeezed.  
 \*ləpə -- T ža-ləpə to fry, grill slightly.  
 \*lə(n)də -- B lədə/lə(n)d to shine, glitter.  
 \*ləc<sup>h</sup>e -- .../ləc moss (T pčace).  
 \*lə(n)č(a) -- B ža-lča/ža-lə(n)č to scorch, B lča to be scorched.  
 \*ləPča -- T ləpča/lepča flesh.  
 \*ləš<sup>o</sup>ča -- T ləpča Š λəš<sup>o</sup>ča/... birthmark. The Š form with λə blood instead of lə flesh is secondary, cf. K hana-l birthmark (hana mother).  
 \*ləsə -- B ləsə/... cotton plug (in wound).  
 \*ləPž'(a) -- B lebž'ə T ləbž'a/ləbža to fry, K also national meat-dish, B lə-ləbž'ə (T -bž'a)/lə-ləbža dish of fried meat, K lęg<sup>o</sup>a-ləbža meat-dishes.  
 \*ləge -- See \*gele.  
 \*ləga -- .../ləga thin, scrawny.  
 \*ləža -- B ləža/ləža forest-fire, steppe-fire.

\*ləg<sup>o</sup>a -- B ləg<sup>o</sup>a/ləg<sup>o</sup>a to be singed.

\*ləya -- B ləya/lay superfluous; harm.

\*labe -- T Ɂa-labə/... to moisten

\*lanSt<sup>h</sup>a -- B lanest<sup>h</sup>a/lanesta scissors.

\*landə -- T landə/... pike (zool.).

\*lanta -- B lānta/lānta elastic, supple.

\*lapse -- B lapsə/laps bouillon, meat-broth.

\*wəlaša -- B wəlaša/... to pound, crush.

\*laž'(a) -- B laž'a/laža to work, itr.; to wear out (of clothes), itr.; work, misery, fault, T laž'e/laž to work at stg., tr.

\*la(n)č<sup>h</sup>a -- See\*Planč<sup>h</sup>a.

\*la(n)la -- B lāla T lānla/lāla weak, loose, shaky, dangling, K also wilted.

\*laška -- .../lāška slivver, splinter.

\*lak<sup>o</sup>a -- .../lāk<sup>o</sup>a painter.

\*welax<sup>o</sup>a -- .../welāx<sup>o</sup>a rate of pay, salary.

\*lanTxe -- T tya-Ɂa-lantxe/... to tear off (tya- surface).

\*lača -- T lača/... plate, dish (container).

\*lač<sup>o</sup>e -- B lač<sup>o</sup>e/... person of the same age.

\*l(a)rg<sup>o</sup>e -- T lərg<sup>o</sup>e-žə/lareč<sup>o</sup> callosity, corn (žə old).

\*lawe -- T lawe/law pig, piglet.

\*welawə -- T welawə/... to get tired.

\*\*\*

*ph <sup>h</sup> ele	<u>elephant</u>	*č:’ela	<u>seeds, stone of fruit</u>
*(P)c:ale	<u>willow</u>	*ʒ’ala	<u>withers (of horse)</u>
*šale	T <u>with good harvest, Š rainy</u>	*č’ala	<u>youth, young man, boy</u>
*ʒ’ele	<u>12-year animal cycle</u>	*žala	<u>gills of fish</u>
*k <sup>h</sup> (a)le	<u>hut</u>	*Pžala	B <u>liana</u>
*g <sup>h</sup> ele	<u>(to feel) ticklish</u>	*la(n)la	<u>weak, shaky, dangling, K also wilted</u>
*k <sup>h</sup> ele	K <u>tickling, to be tickled</u>	*gal(a)	<u>to slip/to (slip and) fall</u>
*šx <sup>o</sup> ale	<u>udder</u>	*x <sup>o</sup> a(n)la	<u>to wither, wilt, fade</u>
*q <sup>h</sup> ale	<u>wild (of animals)</u>	*q:ala	<u>town</u>
*šhale	<u>mill</u>	*q <sup>h</sup> ’ela	K <u>thick sediment, dregs</u>
*m <sup>h</sup> ele	<u>ice</u>	*q <sup>h</sup> ’ela	B <u>stalks and leaves (of melons, potatoes, beets, etc.)</u>
*male	<u>sheep</u>	*q <sup>h</sup> ’ela	
*Tq <sup>o</sup> ala	<u>breadth of two fingers</u>	*q:’ala	
*’ala	<u>to smear</u>	*q <sup>o</sup> ’ela	
*zala	<u>breadth of one finger</u>	*g <sup>o</sup> amela	
*č <sup>h</sup> ’ela	<u>raw silk</u>	*g <sup>o</sup> a(n)la	
*č <sup>h</sup> ’ela	<u>middle (of summer, winter)</u>	*ħala	
*č:’ela	<u>(population of) village</u>	*Thala	
		*wala	K <u>cloud</u>

## 65. Pl

\*Pl(a) -- B bl(a)/bl(a) seven (times)

\*Pl(a) -- B bl(a)/bla to thread on a string, to plait, braid, (in)tr.  
(in K both bla).

\*Pla -- B bla/bla snake.

\*Pla -- B bla/bla upper arm and shoulder.

\*Pla -- B bla/bla to burn, shine, itr.

\*PləPq:ə -- B bləpq:ə/bləpq' shoulder-joint.

\*Plənə -- B blənə/blən corner (T back wall)/wall.

\*(P)la(n)č̄a -- T lānča/blāša maple (T affricate preserved after n).

\*PlaPlə -- .../pə-blabl to hang in large numbers (of fruit) (pə- tip).

\*Pl(a)g°ə -- B bləg°ə/bləg°, blag°ə-ša armpit (ša bottom).

\*PlanTča -- T blāntča/... shoulder with leg (of animal). Cf. \*PlaTča).

\*Plača -- B blāča/blāča near; close (relative, friend).

\*Plača -- B blāča/... bead.

\*Plač°ə -- B bləč°ə/bləč° shoulder-blade.

\*Plač°a -- B blāč°a/blāč°a dragon, K also crocodile.

\*PlaTča -- .../blātča collarbone, shoulder-blade, shoulder with leg (of animal). Cf. \*PlanTča.

\*Plašča -- .../blāšča part of room opposite door. Cf. \*pčašča.

\*Plana -- B blāna/blāna doe.

\*Plana -- B blāna/blāna energetic, brave/strong.

\*\*\*

*PlaPlə	K <u>to hang in large numbers (of fruit)</u>	*čaPla	<u>arm, forearm</u>
*Pč°aPla	B <u>mat made of rushes</u>	*Pča(m)Pla	<u>stretcher for carrying dead to cemetery</u>
*šePla	<u>thunder/lightning</u>	*čaPla	<u>hunger, famine, K also crop failure</u>
*kaPla	K <u>sap of the nut tree</u>	*čaPla	<u>quarter of village</u>
*qčaPla	K <u>stretcher for carrying dead to cemetery</u>	*čaPla	<u>S a kind of wheat</u>
*q:(a)Pla	<u>south</u>	*čaPla	<u>to begin</u>

## 66. λ

\*λə -- B λə/λə man, husband.

\*λ(a) -- B λə/λə to stifle to death, tr., B λa/λa to die, itr.

\*λa -- B λa/λa to fade, wither.

\*λekh°ə -- B λekh°ə/λek° middle-aged.

\*λek°a -- B λek°a/λek° messenger.

\*λeš(a) -- B λeša/λeša hired farm-laborer, K ča-λeš to earn as id., tr.

\*λaš(a) -- T λaša-č°ə/λaše-č°a century (cf. -č°a time, term).

\*λ(a)λa -- B ya-λəλa/ya-λəλa to sweat at stg., be engaged in work requiring

great effort and concentration.

\*λaq:°a -- T λāq°a/λaq°a clan/sworn brother, T λaq°a-λaš/λaq°aλaš nobleman/privileged class.

\*\*\*

*Pš:°eλe	<u>serf, slave</u>	*q°eλ(a)	<u>to tack, stitch, rivet</u>
*λ(a)λa	<u>to sweat at, make effort in</u>	*x°eλa	<u>to succeed, come off, T</u>
*x°eλa	<u>to impel, induce</u>		<u>to happen to sb.</u>

67. Pλ

\*Pλ(a) -- B pλ(a)/pλ(a) four (times).  
 \*Pλa -- B pλa/pλa upper back, shoulder, B also withers.  
 \*Pλa -- T pλa/pλapλa to deteriorate in storage/to lounge, sprawl.  
 \*Pλapse -- T pλapse/pλaps shoulder-strap, -belt.  
 \*wεPλa(n)c'(a) -- T wεpλa(n)c'(a)/wεpλanša to fold in four, tr.  
 \*wεPλaPλe -- T wεpλapλe/... to flatten, hammer flat.  
 \*Pλaq:°e -- B pλaq:°e/... upper back, shoulders.

\*\*\*

\*wεPλalPλe T to flatten, hammer flat \*gεPλa T to (com)press, to iron.  
 \*qεPλa embrace, K also armful

68. kʰ

\*kʰe -- B čʰ'e/kε brushwood, twig.  
 \*kʰe -- .../kε to step, itr. and tr.  
 \*kʰe -- B čʰ'e/kε to pull, tear out, off, tr. (only w. local prefixes).  
 \*kʰa -- B čʰ'a/ka spleen.  
 \*kʰa -- B čʰ'a/ka to burst, crack (as glass, ice), itr.  
 \*kʰəmpʰa -- .../kəmpa twig, dry branch.  
 \*kʰənthε -- .../kənt (ethnic name in Nart epos).  
 \*kʰəsa -- T č'əsa/kəsa pouch (Tu kese).  
 \*kʰəPža -- B čʰ'əbža/kəbža ring of twigs for tying stakes of wattle.  
 \*kʰəx:°e -- .../kəx:° dry twigs.  
 \*kʰəyε -- B čʰ'əyε/kεy wattle made of supple branches.  
 \*kʰəya -- B čʰ'əya/kay tub (T pxa-č'aye id. (pxa wood) points to \*kʰaye; the K form can continue either).  
 \*kʰənε -- T č'ənε/kən top (spinning toy).  
 \*kʰəthε -- B čʰ'əthε/kat sheep-shed.  
 \*kʰ(a)cε -- B čʰ'acε/kεč' kid, young goat (cf? Tu keçi; the compound B law-čʰ'acε animal (law pig) speaks against borrowing).  
 \*kʰənʒ'ε -- T č'ənʒ'ε/kanž shallow (B irregularly šʰ'ənʒ'ε).  
 \*kʰ(a)lε -- T č'əlε/kəl hut.

\*k<sup>h</sup>ak<sup>h</sup>a -- T č'ač'a-n/kāka to chirr, laugh derisively/to bleat, howl, shout.  
 \*k<sup>h</sup>ank<sup>h</sup>a -- .../kanka palsy of cattle.  
 \*k<sup>h</sup>aTča -- T č'atča-n/kātča to tear to shreds, tr.  
 \*k<sup>h</sup>aye -- See \*k<sup>h</sup>eya.  
 \*k<sup>h</sup>awə -- T č'awə/kaw wattle fencing; farmstead.  
 \*k<sup>h</sup>ame -- .../kam to be insufficient, lack, me-kame-w uninterrupted  
 (me- negative element, -w modal case).

\*\*\*

*ček <sup>h</sup> e	<u>castanets</u> (pča-)	*č <sup>h</sup> ak <sup>h</sup> (a) <u>to weigh</u>
*č <sup>h</sup> ak <sup>h</sup> e	<u>suspicion, doubt</u>	*k <sup>h</sup> ak <sup>h</sup> a <u>to chirr, laugh derisively/bleat, howl, shout</u>
*č <sup>h</sup> ak <sup>h</sup> e	<u>to put up with, bear</u>	*k <sup>h</sup> ank <sup>h</sup> a K <u>palsy of cattle</u>
*λak <sup>h</sup> e	K <u>strong, firm, staunch</u>	

### 69. k:

\*k:(a) -- B č: '(a)/... to turn, spin around, (in)tr. (tr. status of k:e not documented in material), T č'a-ra-ze-n, č'a-ra-č<sup>h</sup>e-n/ga-ra-č<sup>h</sup>id., itr. (-ra- instrumental? ze cf? za turn). Relation to \*g(a) and \*k<sup>h</sup>ene unclear.  
 \*k:a -- T š'ene-č'a/šene-ga core of a boil \*č<sup>h</sup>ene.  
 \*k:eye -- B č: 'eye/gey (inside of) throat (antiquated in K).  
 \*k:ap:a -- B č: 'ap:a/gāba (lower) side, side (of body, hill, etc.), T wa-š<sup>h</sup>a-č<sup>h</sup>āpa horizon (\*waš<sup>h</sup>a sky).  
 \*k:at<sup>h</sup>a -- S k:āth<sup>h</sup>a/gāta sword. See Balkarov 1970:84; the B form with č<sup>h</sup>- (Kuipers 1963:69) is irregular.  
 \*k:at:e -- č: 'at:e/gad chicken.

### 70. Pk:

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\*haPk:e glass, window-pane

### 71. g

\*ge -- B ʒ'ə/yə-ge now (yə- 3rd pers. possessive).  
 \*g(a) -- B ʒ'(a)/g(a) to twist, spin (thread), (in)tr.  
 \*g(a) -- B T ʒ'(a)/g(a) smooth, polished (only in compounds), cf. \*gəg(a), \*gəya, \*gas<sup>h</sup>a.  
 \*g(a) -- B ʒ'ə/gə to read/to study, B ʒ'a/ga to call, announce, with \*ya- also to read.  
 \*ga -- B -ʒ'a/-ga bad, insufficient, lacking, cf. \*Pzaga, \*ləga, etc. Cf. \*ya bad.  
 \*gəle -- B leʒ'ə/gəl (to feel) ticklish, K gəl-kel id. (prob. inversion in B); T čele means exaggeration, pretense. Cf. \*kəle.  
 \*gəg(a) -- T mel-ʒ'əʒ'əwə/gəga clear, shiny ice mel/to be polished, shine.  
 \*gəħa -- B ʒ'āħe S gāħe/... to weed with a hoe.

\*gəya -- .../məl-gay smooth ice (məl ice).  
 \*gas<sup>o</sup>(a) -- B ʒ̥ās<sup>o</sup>a/gāfa smooth, T wəʒ̥'as<sup>o</sup>ə/wəgaf to rub smooth, itr. and tr./to bare, tr.; to become smooth, itr.  
 \*ga(<sup>r</sup>/n)č̥'ə -- B ʒ̥'anč̥'ə/ga(r)š bean, pea.  
 \*gal(a) -- B ʒ̥'ala/gāla to slip/to (slip and) fall, K xa-gal to fall out of (xa- a mass, group). Cf? T ʒ̥'andə to (slip and) fall (e.g. of a horse).  
 \*gag<sup>o</sup>ə -- B ʒ̥'ag<sup>o</sup>ə/gag<sup>o</sup> to play; game(s).  
 \*gax<sup>o</sup>ə -- T ʒ̥'afə/gax<sup>o</sup> tow-haired.  
 \*gaya -- B ʒ̥'aya/gay sheat-fish (large catfish)/whale.  
 \*gana -- B ʒ̥'ana/gāna shirt.

\*\*\*

*bage	<u>spider</u>	*č̥'aga	<u>noon, dinner-time</u> (*-g <sup>o</sup> a)
*t̥age	<u>to stand up, rise</u>	*λaga	K <u>short, low (of plants)</u>
*d̥ege	<u>bitter, sour, sharp-tasting</u>	*lēga	K <u>thin, scrawny</u>
*s̥ege	<u>hump, crest; anvil</u>	*gēga	<u>to be polished, shine</u>
*š̥ange	<u>stack, rick</u>	*q̥aga	<u>handful, many</u>
*lēge	See *gēle	*x̥ēga	K <u>girl (-bz)</u>
*wēge	<u>round dance with singing</u>	*g <sup>o</sup> ə( <sup>r</sup> /n)ga	<u>mirror</u>
*p̥eg(a)	<u>to butt, gore</u>	*wəθ̥aga	K <u>to entreat, make complaints</u>
*za <sup>r</sup> /ng(a)	<u>berries of the snowball tree</u>	*nēg(a)	<u>floodlands, water-meadow</u>
*Pzaga	<u>evil; to make mischief</u>	*nag(a)	<u>bad, evil; to disfigure</u>
*š̥aga	<u>luckless/ugly, unattractive</u>		

## 72. k

\*kə -- B č̥'ə/kə handle, haft (of implement, axe, knife).  
 \*kə -- B č̥'ə/kə to come or go out of stg. (only w. local prefixes), T bla-č̥'ə/bla-k to pass by (\*bla- past, by).  
 \*kə -- B š̥'ə-č̥'ə/šə-k to give oneself airs (\*š̥'ə- location). To preceding item, cf. T š̥'am yəč̥'ən id., lit. to go out of one's skin.  
 \*kə -- T λa-č̥'ə/λa-k to be able to, tr./itr., T λač̥'ə force, power. In T, λa- belongs to the stem (hə-λač̥'ə-č̥ he was able to), in K it is a prefix (λa-μe-κe-n to be unable to).  
 \*k(a) -- B č̥'ə/kə to come out, bud, grow, T pə-č̥'a/pə-ka to grow at the end of stg., T qə-pə-č̥'a/qə-pə-ka to carry fruit, itr. (\*p̥e-tip, \*q̥:ə- hither).  
 \*ka -- B č̥'a/ka tail, back, end (of space, time), in compounds egg; manner, way.  
 \*ka -- B č̥'a SM ka/... seeds.  
 \*ka -- B yə-č̥'a/yə-ka to pour in, tr. (yə- hollow, container, etc.).  
 \*kət̥ha -- T č̥'eta/keta malt, T also to become soft, to swell.  
 \*wəkət̥ha -- T wəč̥'eta/wəketa shame.  
 \*kəsa -- T č̥'esa/... to sprout, shoot (of plant). Cf. \*k(a).

\*<sup>ke</sup>ş<sup>o</sup>e -- B č'ęş<sup>o</sup>e/kef dark(ness). B also ş<sup>o</sup>enč'e.

\*<sup>ke</sup>ş<sup>h</sup>e -- B č'ęşh'e/keş smithy.

\*<sup>ke</sup>ž'e -- See \*P<sup>ke</sup>ž'e.

\*<sup>ke</sup>le -- .../kel tickling, to be tickled. Cf. \*g<sup>ele</sup>.

\*<sup>ke</sup>(r)ge -- B č'ęrga/keğ to squeak, creak (B č'ęrg-č'ęrg expresses the sound, e.g., of creaking shoes). Cf. \*derge.

\*<sup>ke</sup>h(a) -- B č'ahə T č'eha/keh long.

\*<sup>ke</sup>yə -- B č'eyə/kej to shriek, howl.

\*<sup>ke</sup>re -- B č'ere/ker thick, dense (of wool, beard, etc.), long (of hair), high (of grass). Cf. \*k(a).

\*<sup>kap</sup>h'a -- B č'ap'h'a/kapa fatty sheeptail, kurdyuk.

\*<sup>kan</sup>t(a) -- .../kant to be exhausted, pse-kanta creek, rivulet, small remains of water (of flood or dried-up river) (pse water), T č'ante-?e/kante-?o small of the back.

\*<sup>ka</sup>Pc:(a) -- B č'apc:a/kabʒ thigh (of animal), leg (of bird).

\*<sup>ka</sup>cə -- T č'acə/kac to lay eggs, itr., K also to be very afraid. Cf. \*c(a).

\*<sup>ka</sup>Pc'a -- T č'apc'a/kapc'a lower abdomen/stomach.

\*<sup>ka</sup>se -- T č'ase/kas prisoner of war (formerly put on horseback behind his captor).

\*<sup>ka</sup>sə -- B č'asa/kasa late.

\*<sup>ka</sup>Pse -- S kapse/Be čə-kaps croup (of horse) (čə horse).

\*<sup>ka</sup>Psa -- B č'apsa/kapsa string, rope.

\*<sup>ka</sup>ş<sup>o</sup>a -- S kaş<sup>o</sup>a/... ceiling.

\*<sup>ka</sup>c'e -- T č'ac'e/kaş short (T of time only).

\*<sup>we</sup>kaPc'e -- See \*weP<sup>ka</sup>Pc'e.

\*<sup>ka</sup>Pla -- .../kabla sap of the nut-tree.

\*<sup>ka</sup>ka -- .../kaka to chirp.

\*<sup>ka</sup>ńka -- T č'anc'a/-ka egg.

\*<sup>ka</sup>xə -- T č'axə/kaxə lower (region)/Western Circassian.

\*<sup>ka</sup>Pxa -- T kapxa/... splint, S skirt.

\*<sup>ka</sup>k:<sup>o</sup>a -- B č'ak:<sup>o</sup>a/kag<sup>o</sup>a dock-tailed; short (rope, stick, coat, etc.).

\*<sup>ka</sup>x<sup>o</sup>e -- .../kax<sup>o</sup> dawn.

\*<sup>ka</sup>Pxə -- B č'apxə/kapxə squirrel.

\*<sup>ka</sup>nTxə -- .../kantx remains, sediment on bottom.

\*<sup>ka</sup>Ş(a) -- .../kaşxa poor, meagre, scanty, məva-kaş gravel (məva stone).

\*<sup>ka</sup>ga -- .../kağə fog.

\*<sup>ka</sup>q<sup>h</sup>o'e -- .../kaq<sup>o</sup> cock of gun (also kāq<sup>o</sup>).

\*<sup>ka</sup>g<sup>o</sup>a -- See \*P<sup>ka</sup>g<sup>o</sup>a.

\*<sup>ka</sup>ye -- T č'aye SM kayə/... valley, SM stream.

\*<sup>ka</sup>ya -- T č'aye/kay ash-tree (T -ə irregular).

\*<sup>ka</sup>ne -- B č'ane/kan knucklebone (used in bone game).

\*<sup>ka</sup>na -- .../kana piece, lump.

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*Pq <sup>o</sup> a(n)k <sup>e</sup>	<u>to crackle, puff, K also flock, tuft</u>	*p <sup>h</sup> aka	<u>stretch, interval, zone</u>
*s <sup>h</sup> ake	<u>to castrate</u>	*c:aka	<u>edge</u>
*š <sup>o</sup> enke	<u>dark</u>	*čaka	<u>nit</u>
*č'ek <sup>e</sup>	<u>to break off</u>	*šaka	<u>weeds, K also chaff</u>
*š <sup>h</sup> eke	<u>to give oneself airs, K also to be surfeited</u>	*žaka	<u>beard</u>
*š <sup>h</sup> ake	<u>cloth, textile</u>	*kaka	K <u>to chirp</u>
*λake	<u>to be able, T also force</u>	*kanka	<u>egg</u>
*k <sup>o</sup> ake	<u>to change, get spoiled</u>	*g <sup>o</sup> emka	See *g <sup>o</sup> e <sup>m</sup> /P <sup>h</sup> ka
*q <sup>o</sup> enke	<u>lock, key (-bza)</u>	*P <sup>h</sup> ank(a)	<u>to sweep</u>
*x <sup>o</sup> (a)k <sup>e</sup>	<u>to get damaged by rubbing</u>	*g <sup>o</sup> eka	<u>blacksmith</u>
*x <sup>o</sup> ake	<u>to (ex)change</u>	*haka	K <u>hiccup</u>
*g <sup>o</sup> e(r)k <sup>e</sup>	T S <u>severe frost</u>	*hamka	<u>gallop</u>
*weke	<u>to kill</u>	*Thaka	K <u>brim of hat</u>
		*naka	<u>wink/outer corner of eye</u>

### 73. P<sup>h</sup>ka

*(P)k <sup>e</sup>	-- T pč'e-ž'e/tay-k <sup>e</sup> -ž <u>to fade (of fabrics) (tay- surface, -ž'e/-ž back, again, as previously; for the correspondence ž'/ž see Kuipers 1963:79).</u>
*P <sup>h</sup> ke	-- T halež <sup>o</sup> a-pč'e/pk <sup>e</sup> <u>dough-cutter/to cut dough (T halež<sup>o</sup>a cheese patty).</u>
*P <sup>h</sup> k(a)	-- T pč'e/pk <sup>e</sup> <u>to trample down, beat (a road), K also to stamp leather, to sharpen (a sickle); to jump, fly off (K λe-pk<sup>e</sup> fly off the foot, as shoe), T pč'a S pška/pka to jump, K also to trample (tay-pka), to shrink (xa-pka).</u>
*P <sup>h</sup> ka	-- .../pka <u>loft, attic (K pka-λay ladder, stairs, cf. *λaya). Cf? T c'as<sup>o</sup>a <u>attic.</u></u>
*(P)k <sup>e</sup> P <sup>h</sup> xa	-- B pč'ep <sup>h</sup> xa/k <sup>e</sup> p <sup>h</sup> xa <u>small toothed wheel for cutting dough.</u>
*we(P)kaP <sup>h</sup> e	-- T wepč'apč'e/wekaps <sup>h</sup> <u>to husk, peel, clean.</u>
*we(P)kaP <sup>h</sup> a	-- T ġa-wepč'apč'a-n SM wekapča-n/... <u>to button, fasten.</u>
*(P)kaġ <sup>o</sup> a	-- T pč'ağ <sup>o</sup> a-sa/kaġ <sup>o</sup> a, kaġ <sup>o</sup> a-sa <u>soot.</u>
*P <sup>h</sup> kaya	-- .../pkay <u>maple.</u> Cf. *kaya.
*(P)kawa	-- B pč'awa/(p)kawa <u>grasshopper.</u>

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*g <sup>o</sup> e <sup>m</sup> /P <sup>h</sup> ka	<u>back part of cart</u>	*ħa <sup>m</sup> /P <sup>h</sup> ka	<u>gallop</u>
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### 74. Š<sup>h</sup>ka

(K Š<sup>h</sup>ka after ā, and Š<sup>h</sup>ka elsewhere, see Kuipers 1963:86).

*š <sup>h</sup> ka	-- B š <sup>h</sup> ka/š <sup>h</sup> ka <u>calf (up to one year old).</u>
*š <sup>h</sup> ka	-- .../qā-s <sup>h</sup> ka <u>to flinch, wince, quiver (qā- hither).</u>

\*ška -- T -ška/-ška lump, chip, splinter, T pška-?°eška-n/q°ška chips, kindlings (pška wood; the correspondence T ?°/q° is irregular), cf. also \*qaška, \*laška.

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*laška	K <u>slivver, splinter</u>	*x°aška	K <u>spark</u>
*qaška	<u>lump, (snow)ball</u>	*maška	K <u>spark</u>

75. x

\*xə -- B xə/xə sea.  
 \*xə -- B xə/xə to take out, off, away (only w. local prefixes).  
 \*xə -- T pə-xə/pə-x to file (pə- tip). Cf. preceding item.  
 \*xə -- B ya-xə/ya-x to go down, B da-xə/da-x to go aside.  
 \*x(a) -- B x(a)/x(a) six (times).  
 \*x(a) -- B x(a)/x(a) to reap, (in)tr.  
 \*x(a) -- T xə/... bottom, lower part (hə-x its id.), T -xa/-xa id., cf. \*Psəxa, \*š'axa, \*kaxa.  
 \*xəq<sup>h</sup>o a -- T xəq<sup>o</sup>a/xəq<sup>o</sup>a porpoise, lit. sea-pig.  
 \*xəya -- B xəya/xay innocent.  
 \*xəna -- T šhā-xəna/šhā-xəna lazy (šhā head).  
 \*xat:a -- B xāt:a/xāda kitchen-garden.  
 \*xasa -- B xāsa/xāsa council, conference, T also to discuss, consider.  
 \*xaPza -- B xābza/xābza usage, tradition, customary law.  
 \*xaš<sup>o</sup>a -- B xāš<sup>o</sup>a/... steppe. Cf. \*(P)xaš<sup>o</sup>a.  
 \*xač<sup>h</sup> a -- T xāš<sup>h</sup>a/xāša spy, scout/informer, telltale.  
 \*xak<sup>h</sup>o e -- B xak<sup>h</sup>o e/xak<sup>o</sup> country, region.  
 \*xak<sup>o</sup>a -- B xak<sup>o</sup>a/xak<sup>o</sup>a reaper.  
 \*xak<sup>o</sup>a -- B xak<sup>o</sup>a/xak<sup>o</sup>a stallion.  
 \*xax<sup>o</sup>a -- T xāfa/xax<sup>o</sup>a brave, T also sour (of fruit).  
 \*xaya -- S xāya/... a measure of millet (144 bundles).  
 \*x(a)ma -- B xəma T xāma/xāma foreign, unknown, stranger.

\*\*\*

*bəxə	S <u>to fall through (ice)</u>		sb. (p-ya-)
*saxə	<u>bar, gate</u>	*šhaxə	<u>laziness, indolence</u>
*Psəxə	<u>to dismount</u>	*wəxə	<u>to finish</u>
*Pzaxə	<u>to disappear</u>	*waxə	<u>lowland, depression (geogr.)</u>
*šaxe	<u>quickly, soon</u>	*nəxə	T <u>aspen</u>
*qəxə	<u>to take, receive stg. from sb.</u>	*daxa	<u>beautiful</u>
*Pšaxə	<u>file (tool)</u>	*c:əxa	<u>frail, weak, without stamina</u>
*Pšaxə	<u>to open, uncover (a straw roof)</u>	*Psexə	T <u>lower reaches of river</u>
*g <sup>o</sup> axə	T <u>to carry to meet (towards)</u>	*š'axa	<u>(surface of) floor in house (-š<sup>o</sup>a)</u>

*λaxa	K <u>domicile, district</u>	*q <sup>h</sup> axa	K <u>feeble</u>
*κaxa	K <u>lower (region)/W. Circassian</u>	*max(a)	K <u>to faint, be tired, worn out; weak, brittle</u>
*g <sup>o</sup> exa	K <u>soft-hearted, weak of character</u>	*naxa	S <u>face</u>

### 76. Px

*Px(a)	-- B px(a)/px(a) <u>to card (wool), (in)tr.</u>
*Px(a)	-- B px <sup>e</sup> /px <sup>e</sup> <u>to tie up, bind, tr.</u> , B pxa/pxa <u>to tie up, bind, fasten</u> , B itr., K tr.
*Pxa	-- B pxa/pxa <u>back part</u> .
*Pxa	-- T -pxa/... habitual suffix, e.g. čeyā-pxa <u>sleepy-head</u> , cf. also *S <sup>h</sup> apxa.
*Pxere	-- B pxere/pxer <u>sheaf, bunch</u> .
*(P)xaş <sup>o</sup> a	-- B xāş <sup>o</sup> a/pxafa <u>stubble-field</u> . Cf. *xaş <sup>o</sup> a.
*Pxac <sup>h</sup> e	-- B pxac <sup>h</sup> e/pxaş <u>buttocks/croup, crupper</u> .
*Pxan <sup>h</sup> e	-- B pxan <sup>h</sup> e/pxan <sup>h</sup> <u>distorted, crooked, wrong</u> .
*Pxaca	-- B pxaca/... <u>bottom</u> .

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*S <sup>h</sup> apxa	T <u>cowardly</u>	*q <sup>o</sup> əPxa	<u>apron</u>	
*kaPxa	T <u>splint, S skirt</u>			

### 77. Tx

*Tx <sup>e</sup>	-- B tx <sup>e</sup> /tx <sup>e</sup> <u>backbone, spine</u> .
*Tx <sup>e</sup>	-- T tx <sup>e</sup> /... <u>height (geogr.)</u>
*Tx(a)	-- B tx(a)/tx(a) <u>to write, (in)tr.</u>
*Txəp <sup>h</sup> a	-- T txəpa/... <u>edge of elevation (geogr.)</u> . Cf. *Pżap <sup>h</sup> a.
*Txəda	-- B txəda/txəda <u>story, tale; instructive/history (S to speak)</u> .
*wəTxə(n)ʒə	-- T wətxə(n)ʒə/... <u>to sift</u> . Prob. < *-n-ze.
*Txəča	-- B txəča/txəča <u>backbone, spine</u> .
*Txəč <sup>h</sup> a	-- T txəč <sup>h</sup> a/txəča <u>hunchbacked, with crooked back</u> .
*wəTxəPč <sup>h</sup> e	-- T wətxəpč <sup>h</sup> e/wətxəp <sup>h</sup> s <u>to shake out (as rug, blanket)</u> .
*Txəλə	-- B txəλə/txəλ <u>letter (epistle), book</u> .
*TxəTxə	-- T txətxə/txətx <u>to shake, tremble</u> .
*Txəh(a)	-- .../txəh <u>threading (of screw)</u> .
*Txəye	-- S txəye/... <u>to be frightened</u> .
*Txaq <sup>h</sup> o <sup>a</sup>	-- S txaq <sup>h</sup> o <sup>a</sup> , txāx <sup>h</sup> o <sup>a</sup> /... <u>shady side of mountain</u> .
*Tx(a)wa	-- txāwa/txəwa <u>to kick (of horse)</u> .

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*sanTxə	<u>(stony) height (geogr.)</u>	*wəz <sup>o</sup> ənTxə	T <u>to spit</u>
*TxəTxə	<u>to shake, tremble</u>	*gatxa	<u>spring (season)</u>

\*wəTx(a) to splash, splatter

78. S'x

\*S'xə -- B š'xə/dəňašx to laugh.  
\*S'x(a) -- B q:a-š'xə-n/qa-šxə-n to rain, K xa-šxa-n to rain into stg.  
\*S'xa -- B š'xa/šxa to glue, to put on a bandage (with a contracting ointment) in case of broken bones.  
\*S'xəPčə -- T š'xəpčə/... to smile.  
\*S'xəwə -- T š'xəwə/šxəw sour milk (B has šh'əwə).  
\*S'xaPse -- B š'xapse/šxaps glue, starch.

\*\*\*

\*RaS'xə to laugh

\*waS'xə rain

79. Sx

\*Sx(a) -- B šk:(a)/šx(a) to eat, (in)tr.  
\*Sxəd(a) -- B šxəda T id., ya-šxədə/šxəda to chide. (B šx irregular).  
\*Sxala -- B šk:āla/šxāla manger.

\*\*\*

\*(P)ž'aməšxə spoon

\*g<sup>o</sup>aSxa to chew (as ruminant)

80. Ȣ

\*Ȣa -- B Ȣa/Ȣa scrotum, testicle.  
\*Ȣe(r)ze -- B Ȣerze/Ȣəz to moan, groan.  
\*ȢePza -- See \*PȢePza.  
\*Ȣeč'ə -- T Ȣeč'ə/K dial. Ȣeš to wash (laundry).  
\*Ȣey(a) -- B Ȣeyə T id., ya-Ȣeyə/Ȣay, Ȣeyə to reproach, chide.  
\*Ȣeyə -- T Ȣeyə/Ȣay dove-grey, T š<sup>o</sup>a-Ȣeyə spotted (of cow) (š<sup>o</sup>a hide).  
\*Ȣene -- B Ȣene/Ȣen (gun)powder, K also poison.  
\*Ȣene -- S Ȣene/Ȣene-x<sup>o</sup> cabbage/parsnip (-x<sup>o</sup> white), T Ȣene-pλə beet (-pλə red), T ž'anč'-Ȣene bean-sauce (ž'anč'ə bean).  
\*\*\*

\*baȢə to swell

\*p<sup>h</sup>aȢa haughty

\*č:əȢe tree

\*λaȢa high

\*g<sup>o</sup>a(r)Ȣe to roar, howl, weep loudly

81. Pg

\*PȢe -- B bȢe/bȢe waist, cf. also T č'aš'ə-bȢe/žašə-bȢ midnight (\*č:a-š:ə night).

\*P̥e -- B b̥e/b̥e height, mountain, steep bank, etc.

\*P̥(a) -- B b̥a, ya-b̥e/b̥a, ya-b̥ to curse (sb.).

\*P̥(n)ta -- T b̥anta S b̥eta/b̥enta ungirded.

\*(P)̥er'za -- B b̥ebza/̥ebza to curse (dissimilation in K).

\*P̥eλa -- T b̥eλa/b̥eλa mountainous.

\*P̥eq:°e -- B b̥eq:°e/b̥eq:° cross-beam.

\*P̥ešha -- B b̥ešha/b̥ešha top (of mountain), upper edge (of ravine).

\*P̥ena -- T b̥ena/b̥ena to leave, desert.

\*P̥ana -- B b̥ana/b̥ana sheaf/tie around sheaf.

\*\*\*

*p̥aP̥e	<u>bridge of nose</u>	*yaP̥a	<u>fierce, nasty (e.g. dog),</u> K also <u>brave</u>
*q̥aP̥a	T <u>wattle-made drying rack</u> <u>for corn, etc.</u>	*na(r)P̥(a)	<u>person</u>
*x̥oP̥a	T <u>(cattle) for breeding</u>		

### 82. k̥o

\*k̥o -- B k̥o/k̥e core, middle.

\*k̥o -- T re-y-k̥e-n/ya-k̥ to dare, venture to.

\*k̥a -- B k̥a/k̥a thigh.

\*k̥a -- B k̥a/k̥a to stuff (as pillow), cork (bottle), pull stg. over  
stg. (as garment) (only w. local prefixes).

\*k̥eʳ/mbe -- B k̥erbe T k̥embe/k̥emb hole, hollow, T p̥sa-k̥erbe hollow in  
neck (p̥sa neck).

\*k̥eda -- B k̥eda/k̥eda to fill up, cram, cork.

\*k̥eda -- B k̥eda/... petroleum, oil, cf? also S k̥erda axle-grease,  
which, however, may contain \*k:°e cart.

\*k̥eče -- B k̥eče/k̥eč marrow, K šha-k̥eč brains (šha head).

\*k̥e(r)sa -- T k̥e(r)sa/k̥esa stripe.

\*k̥ePsa -- T k̥epsa/k̥epsa center, pivot.

\*k̥ePc'(a) -- B k̥epc'e/k̥epša core, (soft) center, kernel.

\*k̥ePλe -- B k̥epλe/k̥epλ brick-red, orange.

\*k̥ePq:(a) -- B k̥epq:e/k̥epq stone (of fruit).

\*k̥eq:°e -- .../k̥eq:° crossbeam.

\*k̥e(r)g̥(a) -- B k̥eḡ̥e T k̥erḡ̥a/k̥eḡ̥a yolk.

\*k̥ewe -- B k̥ewe/k̥ew deep.

\*k̥a(n)de -- B k̥ande/k̥ad much, many.

\*k̥anda -- B k̥anda/... bush, shrub.

\*k̥a(P)sa -- T k̥apsa/k̥asa beardless (Tu köse).

\*k̥ac'e -- B k̥ac'e/k̥aš lap (portion of body).

\*k̥ach'e -- B k̥aš'e/... to migrate (of nomads) (Tu köçmek, hence \*çh' and not \*šh').

\*k̥aš:a -- B k̥aš:a/... tussock, one clump (of grass, etc.); to put out  
side-shoots.

\*k<sup>h</sup>o<sup>ə</sup>aye -- T k<sup>o</sup>aye/k<sup>o</sup>ay (quarter of) settlement/community (Tu köy).

\*\*\*

*t <sup>h</sup> erk <sup>h</sup> o <sup>ə</sup>	K <u>growth in animal organism</u>	*hak <sup>h</sup> o <sup>ə</sup>	<u>fireplace, oven</u>
*z <sup>o</sup> ak <sup>h</sup> o <sup>ə</sup>	<u>red-hot coals</u>	*ç <sup>h</sup> ak <sup>h</sup> o <sup>ə</sup> a	<u>honeycomb</u>
*λ <sup>ə</sup> ek <sup>h</sup> o <sup>ə</sup>	<u>middle-aged</u>	*q <sup>o</sup> ek <sup>h</sup> o <sup>ə</sup> a	<u>plug, spigot</u>
*xak <sup>h</sup> o <sup>ə</sup>	<u>country, region</u>	*Thak <sup>h</sup> o <sup>ə</sup> a B	<u>with short, flapping ears</u>
*P <sup>h</sup> ak <sup>h</sup> o <sup>ə</sup>	<u>heart of tree/timber</u>	*mark <sup>h</sup> o <sup>ə</sup> a	<u>tapeworm</u>

83. k:

*k: <sup>o</sup> ə	-- B k: <sup>o</sup> ə/g <sup>o</sup> ə <u>"arba", two-wheeled cart, vehicle.</u>
*k: <sup>o</sup> a	-- S k: <sup>o</sup> a/... <u>twig.</u> Cf. *k: <sup>o</sup> ama.
*k: <sup>o</sup> a	-- B -k: <sup>o</sup> a/-g <sup>o</sup> a <u>truncated</u> , cf. *kak: <sup>o</sup> a, etc.
*k: <sup>o</sup> ec:a	-- B k: <sup>o</sup> ec:a/g <sup>o</sup> əʒa <u>spoke of wheel.</u>
*k: <sup>o</sup> əṣa	-- B k: <sup>o</sup> əṣa/g <sup>o</sup> əṣa <u>cradle.</u>
*k: <sup>o</sup> əṣ <sup>o</sup> a	-- B k: <sup>o</sup> əṣ <sup>o</sup> a/g <sup>o</sup> əfa <u>sidewall of cart.</u>
*k: <sup>o</sup> ə <sup>m</sup> /P <sup>h</sup> ka	-- B k: <sup>o</sup> əc <sup>o</sup> a/g <sup>o</sup> əmka, g <sup>o</sup> əp <sup>h</sup> ka <u>back part *ka of cart.</u>
*k: <sup>o</sup> əwa	-- B k: <sup>o</sup> əwa/g <sup>o</sup> aw <u>to shout.</u>
*k: <sup>o</sup> arth(a)	-- T k <sup>o</sup> arte/g <sup>o</sup> arta <u>a certain (solid) number/(large) herd.</u>
*k: <sup>o</sup> ac:e	-- B k: <sup>o</sup> ac:e/g <sup>o</sup> aʒ <u>wheat.</u>
*k: <sup>o</sup> aš:’ə	-- B k: <sup>o</sup> aš:’ə/g <sup>o</sup> as <u>shelter for cart.</u>
*k: <sup>o</sup> ač <sup>o</sup> a	-- B k: <sup>o</sup> ač <sup>o</sup> a/g <sup>o</sup> ač <sup>o</sup> a <u>pitchfork.</u>
*k: <sup>o</sup> ama	-- T k <sup>o</sup> ama/g <sup>o</sup> āna <u>(small) branch, twig (prob. dissimilation in K).</u>
*k: <sup>o</sup> ane	-- B k: <sup>o</sup> ane/g <sup>o</sup> an <u>covered granary made of wattle.</u>

\*\*\*

*p <sup>h</sup> ak: <sup>o</sup> a	<u>blunt</u>		<u>also short-legged</u>
*c:ak: <sup>o</sup> a	<u>blunt, dull</u>	*kak: <sup>o</sup> a	<u>dock-tailed; short</u>
*Pzak: <sup>o</sup> a	<u>dumb (without speech)</u>	*q: <sup>o</sup> ak: <sup>o</sup> a	<u>hornless/one-horned, one-eared, asymmetrical</u>
*λak: <sup>o</sup> a	<u>low (esp. of vegetation), K</u>		

84. g<sup>o</sup>

*g <sup>o</sup> ə	-- B g <sup>o</sup> ə/g <sup>o</sup> ə <u>heart.</u>
*g <sup>o</sup> ə	-- B -g <sup>o</sup> ə/-g <sup>o</sup> <u>surface (of earth, sky, palm of hand, etc.).</u>
*g <sup>o</sup> (a)	-- B g <sup>o</sup> (a)/g <sup>o</sup> ə <u>to pound, husk (maize, millet, etc), B (in)tr., K itr. and tr.</u>
*g <sup>o</sup> a	-- T g <sup>o</sup> a/... <u>to fill, stuff, cram.</u>
*g <sup>o</sup> əp <sup>h</sup> a	-- B g <sup>o</sup> əp <sup>h</sup> a/g <sup>o</sup> əpa <u>front surface, front part, T also face, breast.</u>
*g <sup>o</sup> əde	-- B g <sup>o</sup> əde/g <sup>o</sup> əd <u>vulva.</u>
*g <sup>o</sup> əsa	-- T g <sup>o</sup> əsa/ze-ča-g <sup>o</sup> əsa <u>to take offense (ze- oneself).</u>
*g <sup>o</sup> əPsa	-- T g <sup>o</sup> əpsa/g <sup>o</sup> əpsa <u>beloved; kind, good/cordial.</u>

\*g<sup>o</sup>əzə -- T g<sup>o</sup>əzə/... anger, malice, old grudge, cf. also T g<sup>o</sup>əħa-g<sup>o</sup>əzə old grudge.

\*g<sup>o</sup>əš<sup>o</sup>a -- S g<sup>o</sup>əš<sup>o</sup>a/... glade.

\*g<sup>o</sup>əz<sup>o</sup>a -- B g<sup>o</sup>əz<sup>o</sup>a/g<sup>o</sup>əva to be late. Cf. \*λαζ<sup>o</sup>a.

\*g<sup>o</sup>əš<sup>o</sup>a -- B g<sup>o</sup>əš<sup>o</sup>a/g<sup>o</sup>əfa to be glad.

\*g<sup>o</sup>əPč:́a -- B g<sup>o</sup>əpč:́a/... middle, center, circle. Cf. \*Pč:́ag<sup>o</sup>e.

\*g<sup>o</sup>əPč́a -- B g<sup>o</sup>əpč́a/... having a good memory. Cf. \*q<sup>o</sup>əPč́a.

\*g<sup>o</sup>əš:́a -- B g<sup>o</sup>əš:́a/g<sup>o</sup>əša pitiful, alas! (poetic).

\*g<sup>o</sup>əPžə -- B g<sup>o</sup>əbžə/g<sup>o</sup>əbz̥ (to be) angry.

\*g<sup>o</sup>əλə -- B g<sup>o</sup>əλə/... a marsh plant used to make p̥ābla, T a kind of grass, tuft of maize.

\*g<sup>o</sup>əPSkħa -- S g<sup>o</sup>əpskħa, g<sup>o</sup>əpčħa/... bronchitis. Cf. \*PSkħa.

\*g<sup>o</sup>əxa -- T g<sup>o</sup>əxa/g<sup>o</sup>əxa soft-hearted, weak of character.

\*g<sup>o</sup>əšx<sup>o</sup>a -- B g<sup>o</sup>əšk:́a/g<sup>o</sup>əšx<sup>o</sup>a (to be) courageous, enthusiastic.

\*g<sup>o</sup>ərq:́e -- T p̥a-g<sup>o</sup>ərqə/g<sup>o</sup>ərq̥ vertebra of neck p̥a/protuberance of thorax.

\*g<sup>o</sup>əqa -- T g<sup>o</sup>əqa/g<sup>o</sup>əqa to worry, care; be in pain/to grieve, sob.

\*g<sup>o</sup>ərgə -- T g<sup>o</sup>ərgə/g<sup>o</sup>ərg̥ kingpin of cart.

\*g<sup>o</sup>əga -- B g<sup>o</sup>əga/g<sup>o</sup>əga hope, K also opinion.

\*g<sup>o</sup>ə(r)ħ<sup>o</sup>e -- B g<sup>o</sup>ərħ<sup>o</sup>e/g<sup>o</sup>əħ<sup>o</sup> to crush millet; mortar for crushing millet.

\*g<sup>o</sup>ərešħ<sup>o</sup>a -- T g<sup>o</sup>ərešħ<sup>o</sup>a/g<sup>o</sup>ərešħ<sup>o</sup>a suspicion.

\*g<sup>o</sup>əg<sup>o</sup>e -- B g<sup>o</sup>əg<sup>o</sup>e/g<sup>o</sup>əg<sup>o</sup> story, account (in: B K yə-g<sup>o</sup>əg<sup>o</sup> šə-n to tell about; ye- its, šə-n to make).

\*g<sup>o</sup>əg<sup>o</sup>e -- B g<sup>o</sup>əg<sup>o</sup>e/g<sup>o</sup>əg<sup>o</sup> difficulty, trouble/difficult, B ya-g<sup>o</sup>əg<sup>o</sup>e/ya-g<sup>o</sup>əg<sup>o</sup> to apply oneself, work hard at; diligent.

\*g<sup>o</sup>əPg<sup>o</sup>a -- B g<sup>o</sup>əbħa, g<sup>o</sup>əbħ<sup>o</sup>a/g<sup>o</sup>əbħ<sup>o</sup>a field, steppe.

\*g<sup>o</sup>ə(r)ħ(a) -- B g<sup>o</sup>āħə/g<sup>o</sup>əreħ pleasant, tasty.

\*g<sup>o</sup>əya -- S g<sup>o</sup>əya/... quantity of grain which fills one mortar or oven.

\*g<sup>o</sup>əya -- T g<sup>o</sup>əya/... malicious, mean, S courageous.

\*g<sup>o</sup>apħa -- B g<sup>o</sup>āpħa/g<sup>o</sup>āpa pleasure.

\*g<sup>o</sup>ap:a -- B g<sup>o</sup>āp:a/... it is stuffy, stifling.

\*g<sup>o</sup>āčħ́(a) -- B g<sup>o</sup>āšħ́e, T g<sup>o</sup>āš:a/g<sup>o</sup>āš, g<sup>o</sup>āša to distribute, divide, (in)tr., T also to give presents.

\*g<sup>o</sup>āš:́a -- B g<sup>o</sup>āš:́a/g<sup>o</sup>āša princess, husband's mother, T also wife, K doll.

\*g<sup>o</sup>ak<sup>o</sup>a -- B g<sup>o</sup>āk<sup>o</sup>a/g<sup>o</sup>āk<sup>o</sup>a pleasant.

\*g<sup>o</sup>(a)q<sup>o</sup>a -- B g<sup>o</sup>ā'a T g<sup>o</sup>ə'a/... to hurry.

\*g<sup>o</sup>aq<sup>o</sup>e -- T g<sup>o</sup>āq<sup>o</sup>e/... likable (person).

\*g<sup>o</sup>awa -- B g<sup>o</sup>āwa/g<sup>o</sup>āwa (to cause) injury.

\*g<sup>o</sup>ara -- B -g<sup>o</sup>ara/-g<sup>o</sup>ar a certain, some (cf? Georg. gvari).

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*bag <sup>o</sup> e	<u>pimple, scab</u>	*Pzag <sup>o</sup> e	<u>tongue</u>
*dag <sup>o</sup> e	<u>deaf</u>	*Pč:́ag <sup>o</sup> e	B <u>middle, center, circle</u>
*Pseg <sup>o</sup> e	S <u>island</u>	*čeg <sup>o</sup> e	<u>surface of the earth, territory</u>

*š <sup>h</sup> eg <sup>o</sup> ə	mountain top, top part/ plateau, surface	*g <sup>o</sup> ag <sup>o</sup> ə	road
*λag <sup>o</sup> ə	footsole; floor, valley	*wag <sup>o</sup> ə	sky, heaven
*Pl(a)g <sup>o</sup> ə	armpit	*wag <sup>o</sup> ə	freckled
*gag <sup>o</sup> ə	to play, game	*nag <sup>o</sup> ə	face
*x <sup>o</sup> eg <sup>o</sup> ə	millet (w. husks removed)	*p <sup>h</sup> ag <sup>o</sup> a	carp, fish, blunt-nosed/ blunt
*qag <sup>o</sup> ə	T <u>courtyard</u>	*dag <sup>o</sup> a	S <u>short-eared</u>
*P <sup>h</sup> ag <sup>o</sup> ə	<u>brisket, thorax</u>	*t <sup>h</sup> erg <sup>o</sup> (a)	<u>to butt/to fillip, bump</u>
*q <sup>o</sup> ag <sup>o</sup> ə	<u>house-serf/homestead</u>	*qag <sup>o</sup> (a)	<u>palm of hand, handful</u>

65. k<sup>o</sup>

*k <sup>o</sup> ə	-- .../ya-k <sup>o</sup> fitting, proper, B ya-mə-k <sup>o</sup> ə/ya-mə-k <sup>o</sup> wrong, shameful (mə- <u>negative</u> ). Prob. to next item, cf. English "(un)becoming".
*k <sup>o</sup> (a)	-- B k <sup>o</sup> (a)/k <sup>o</sup> (a) <u>to go, cover a distance, (in)tr.</u>
*k <sup>o</sup> a	-- B -k <sup>o</sup> a/k <sup>o</sup> a nomen agentis, cf. *š:ak <sup>o</sup> a, *xak <sup>o</sup> a, etc.
*k <sup>o</sup> ət <sup>h</sup> (a)	-- B ye-k <sup>o</sup> ət <sup>h</sup> (a)/ye-k <sup>o</sup> ət(a) <u>to pour out (resp. into) (ye- hollow space).</u>
*k <sup>o</sup> ət <sup>h</sup> (a)	-- B k <sup>o</sup> ət <sup>h</sup> a/k <sup>o</sup> ət <sup>h</sup> a <u>to move (along, forward), ye-k<sup>o</sup>ət<sup>h</sup>e/ye-k<sup>o</sup>ət to move back(wards).</u>
*k <sup>o</sup> ad(a)	-- B k <sup>o</sup> ədə/k <sup>o</sup> ad <u>to disappear, get lost, perish, B xa-k<sup>o</sup>əda/xa-k<sup>o</sup>ada id. into a mass.</u>
*k <sup>o</sup> əcə	-- B k <sup>o</sup> əcə/k <sup>o</sup> əc <u>innards, inside, interior.</u>
*k <sup>o</sup> asa	-- B k <sup>o</sup> əsa/k <sup>o</sup> əsa <u>to go out (as fire, light)/to escape, run away, desert, elope.</u>
*k <sup>o</sup> əşa	-- T k <sup>o</sup> əşa/... <u>to sneak along, move noiselessly.</u>
*k <sup>o</sup> əkə	-- B za-k <sup>o</sup> əcə/za-k <sup>o</sup> ək <u>to change; to get spoiled (za- to oneself).</u>

\*\*\*

*bek <sup>o</sup> ə	T <u>little calf</u>	*λak <sup>o</sup> a	<u>grinder</u>
*perk <sup>o</sup> ə	T <u>compact (of fabrics)</u>	*lak <sup>o</sup> a	K <u>painter</u>
*tak <sup>o</sup> ə	<u>few, (a) little</u>	*λek <sup>o</sup> a	<u>messenger</u>
*tak <sup>o</sup> ə	S <u>place</u>	*xak <sup>o</sup> a	<u>reaper</u>
*cək <sup>o</sup> ə	<u>small</u>	*xak <sup>o</sup> a	<u>stallion</u>
*wəPλak <sup>o</sup> ə	T <u>to check up on</u>	*g <sup>o</sup> ak <sup>o</sup> a	<u>pleasant</u>
*θak <sup>o</sup> ə	<u>ear (-ma)</u>	*x <sup>o</sup> ak <sup>o</sup> a	<u>to pasture, itr.</u>
*nak <sup>o</sup> ə	<u>face/cheek, mountainside</u>	*g <sup>o</sup> ak <sup>o</sup> a	T <u>to go astray (of cattle)</u>
*p <sup>h</sup> ak <sup>o</sup> a	B <u>saddle flap</u>	*hak <sup>o</sup> a	K <u>honeycombs with honey</u>
*zak <sup>o</sup> a	S <u>full, whole</u>	*šak <sup>o</sup> a	<u>offence taken, touchiness</u>
*c <sup>h</sup> ak <sup>o</sup> a	<u>felt cloak, "burka"</u>	*mark <sup>o</sup> a	<u>berry</u>
*š:ak <sup>o</sup> a	<u>hunter, to hunt</u>		

86. Tk<sup>o</sup>

*Tk <sup>o</sup> (a)	-- B tk <sup>o</sup> ə/tk <sup>o</sup> ə <u>to melt, thaw, drip, itr., .../tay-ğā-tk<sup>o</sup>a to drip on, bespatter, tr.</u>
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\*Tk<sup>o</sup>arṣe -- B tk<sup>o</sup>apse/tk<sup>o</sup>aps drop (of water), cf. T psəg<sup>o</sup>ā-n-tk<sup>o</sup>a id.

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\*g<sup>o</sup>a(n)Tk<sup>o</sup>a T drop (of water, etc.)

### 87. Sk<sup>o</sup>

(After ā all dialects have sk<sup>o</sup> versus šk<sup>o</sup> elsewhere, cf. no. 74. Occasionally K has šk<sup>o</sup> besides or instead of šk<sup>o</sup>).

- \*šk<sup>o</sup>(a) -- B šk<sup>o</sup>(a)/šk<sup>o</sup>(a) to squeeze, crush, cf. \*pašk<sup>o</sup>(a), etc.; T šk<sup>o</sup>ayaw to smithereens.
- \*šk<sup>o</sup>əmpə -- B šk<sup>o</sup>əmpə/šk<sup>o</sup>əmp addle egg, rotten (egg) (orig. crush-shell?).
- \*šk<sup>o</sup>əna -- T šk<sup>o</sup>əna/... noose.

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*wepešk <sup>o</sup> e	<u>to crush, crumple, rumple</u>	*mešk <sup>o</sup> e	<u>acorn</u>
*Pxašk <sup>o</sup> e K	<u>wooden ring at end of rope</u> <u>for tying up fast</u>	*nešk <sup>o</sup> e	<u>to be chewed</u>

\*pašk<sup>o</sup>(a) to pinch

### 88. x<sup>o</sup>

- \*x<sup>o</sup>e -- B nātrə-fə/x<sup>o</sup>e corn, maize (Narts' millet)/millet.
- \*x<sup>o</sup>e -- B fə-ž'ə/x<sup>o</sup>e-ž white, light (\*-ž'ə -colored).
- \*x<sup>o</sup>e -- B fə/x<sup>o</sup>e to roll dough, tr.
- \*x<sup>o</sup>e -- .../pə-y-x<sup>o</sup> to smoke (of lamp, torch) (pə- tip, y- hollow, circle).
- \*x<sup>o</sup>e -- fə/x<sup>o</sup>e to plait (twigs), wattle (a fence), tr.
- \*x<sup>o</sup>e -- .../xa-x<sup>o</sup> to forge (by hammering out of a mass xa-).
- \*x<sup>o</sup>(a) -- B fa/x<sup>o</sup>(a) to fall (K out of resp. into, onto) (only w. local prefixes), T fa to fly off (as chips while chopping wood), B -fa/-x<sup>o</sup>a remains, offal, cf. \*Txaš<sup>o</sup>a, etc.
- \*x<sup>o</sup>(a) -- B fə/x<sup>o</sup>e to drive, chase, tr., K qə-da-x<sup>o</sup>a to drive (cattle, car) into stg., tr. (qə- hither, da- flat space).
- \*x<sup>o</sup>a -- B fa/x<sup>o</sup>a sinew.
- \*x<sup>o</sup>a -- T qə-da-fa/qə-da-x<sup>o</sup>a to be left over (\*q:ə- hither, \*da- flat space). Prob. identical with \*x<sup>o</sup>(a) fall.
- \*x<sup>o</sup>a -- B šh'ə-fa/šə-x<sup>o</sup>a to smear (paint, grease) (\*šh'ə- location).
- \*x<sup>o</sup>a -- T fa/x<sup>o</sup>a to fit, find place (in, around, etc.) (only w. local prefixes).
- \*x<sup>o</sup>ət̪ha -- B fət̪ha/... to forge.
- \*x<sup>o</sup>ət̪ha -- .../x<sup>o</sup>əta to explore, discover, make clear.
- \*x<sup>o</sup>əPse -- .../x<sup>o</sup>əps larva, grub.
- \*x<sup>o</sup>əze -- T fəzə/x<sup>o</sup>əz to press (as orange).
- \*x<sup>o</sup>əč'(a) -- B fəč'a/x<sup>o</sup>əš to wash the head.
- \*x<sup>o</sup>əž'ə -- B fəž'ə/x<sup>o</sup>əž white.
- \*x<sup>o</sup>əla -- .../x<sup>o</sup>əla crop (of bird).

\*x<sup>0</sup>əλa -- B ya-fəλa/ya-x<sup>0</sup>əλa to impel, induce.

\*x<sup>0</sup>əg<sup>0</sup>ə -- B fəg<sup>0</sup>ə/x<sup>0</sup>əg<sup>0</sup> millet (with husks removed).

\*x<sup>0</sup>ənTx<sup>0</sup>ə -- T fəntfə/x<sup>0</sup>əntx<sup>0</sup> husk of millet.

\*x<sup>0</sup>əPča -- .../x<sup>0</sup>əpča rolling-pin.

\*x<sup>0</sup>ə(r)q<sup>h</sup>ə -- B fərq<sup>h</sup>ə/x<sup>0</sup>əq<sup>h</sup>ə chaff.

\*x<sup>0</sup>əšč<sup>0</sup>ə -- T fəšč<sup>0</sup>ə/x<sup>0</sup>əšč<sup>0</sup>ə medicine, curative.

\*x<sup>0</sup>əšča -- .../x<sup>0</sup>əšča to yawn.

\*x<sup>0</sup>ap<sup>h</sup>ə -- B fəp<sup>h</sup>ə/x<sup>0</sup>əp<sup>h</sup>ə to dress, tr.

\*x<sup>0</sup>ambə -- T fəmbə/... quiet, still.

\*x<sup>0</sup>aba -- B fəba/x<sup>0</sup>əba warm.

\*x<sup>0</sup>aba -- T fəba/x<sup>0</sup>əba-šəps a soup with lumps of dough.

\*x<sup>0</sup>a(r)t<sup>h</sup>ə -- .../x<sup>0</sup>ərtə diaper, x<sup>0</sup>əta scarf.

\*x<sup>0</sup>arza -- .../x<sup>0</sup>ərza to soar, hover. Cf. \*ħarza.

\*x<sup>0</sup>ac<sup>h</sup>ə -- B fəš<sup>h</sup>ə/x<sup>0</sup>əš cramp, convulsion.

\*x<sup>0</sup>aPč(a) -- B fəbža/x<sup>0</sup>əbž quick, strong, important.

\*x<sup>0</sup>a(n)la -- T fə(n)la/x<sup>0</sup>əla to wither, wilt, fade.

\*x<sup>0</sup>aye -- B faye/x<sup>0</sup>ay white maple (beloklén)/a kind of birch.

\*x<sup>0</sup>ame -- B fame/x<sup>0</sup>am quiet, slow. Cf. T famefə/x<sup>0</sup>aməx<sup>0</sup> lazybones/unwieldy (person). Cf? also \*x<sup>0</sup>ambə.

\*wəx<sup>0</sup>ane -- .../wəx<sup>0</sup>an to plait, braid.

\*x<sup>0</sup>ara -- B fəra/x<sup>0</sup>əra thoroughbred horse.

\*\*\*

*p <sup>h</sup> ax <sup>0</sup> ə	<u>white-nosed</u>	*Pčax <sup>0</sup> ə	<u>S birch</u>
*t <sup>h</sup> ax <sup>0</sup> ə	K <u>white</u>	*q <sup>0</sup> ax <sup>0</sup> ə	K <u>w. light horns and light grey around nose (oxen)</u>
*c:ax <sup>0</sup> ə	<u>tin</u>	*q <sup>0</sup> ax <sup>0</sup> ə	<u>affair, business</u>
*čex <sup>0</sup> ə	<u>human being</u>	*g <sup>0</sup> ax <sup>0</sup> ə	T <u>zinc</u>
*čex <sup>0</sup> ə	<u>to know</u>	*ħax <sup>0</sup> ə	<u>object borrowed, K also to win (e.g. money)</u>
*sax <sup>0</sup> ə	K <u>(quick)lime</u>	*Thax <sup>0</sup> ə	K <u>with white ears</u>
*Psax <sup>0</sup> ə	<u>to rest</u>	*nəx <sup>0</sup> ə	K <u>sheep's rectum</u>
*Pzax <sup>0</sup> ə	<u>linden</u>	*nax <sup>0</sup> ə	<u>light, clear</u>
*wəPzax <sup>0</sup> ə	K <u>to plan, make layout for</u>	*St:ax <sup>0</sup> a	T <u>ashes</u>
*zax <sup>0</sup> ə	<u>oatmeal</u>	*čax <sup>0</sup> a	K <u>cobra</u>
*šax <sup>0</sup> ə	<u>secret</u>	*sax <sup>0</sup> ə	K <u>ashes</u>
*š <sup>0</sup> ax <sup>0</sup> ə	<u>plain, steppe, smooth side of knucklebone/bald</u>	*zax <sup>0</sup> a	<u>straight, even</u>
*č'ax <sup>0</sup> ə	<u>pale/bluish, birch-color</u>	*z <sup>0</sup> ax <sup>0</sup> a	T <u>oil cakes for cattle</u>
*ž'ax <sup>0</sup> ə	<u>fan</u>	*š:ax <sup>0</sup> (a)	<u>to buy</u>
*č <sup>h</sup> ax <sup>0</sup> ə	<u>wax</u>	*čex <sup>0</sup> a	<u>debt, loan</u>
*λax <sup>0</sup> ə	K <u>feathergrass</u>	*welax <sup>0</sup> a	K <u>rate of pay, salary</u>
*k <sup>h</sup> ex <sup>0</sup> ə	K <u>dry twigs</u>	*xax <sup>0</sup> a	<u>brave, T also sour (fruit)</u>
*gax <sup>0</sup> ə	<u>tow-haired</u>	*Tčax <sup>0</sup> a	K <u>husks (after peeling corn)</u>
*kax <sup>0</sup> ə	K <u>dawn</u>		

*q <sup>o</sup> ax <sup>o</sup> a	K <u>chaff</u>	*max <sup>o</sup> a	<u>day</u>
*šhax <sup>o</sup> (a)	<u>separate</u>	*max <sup>o</sup> a	<u>happy</u>
*wex <sup>o</sup> a	T <u>to bend, tr.</u>	*nax <sup>o</sup> a	<u>definite, clear, obvious</u>
*wex <sup>o</sup> a	K <u>to build</u>		

89. Tx<sup>o</sup>

\*Tx<sup>o</sup>(a) -- B tf(a)/tx<sup>o</sup>(a) five (times).  
 \*Tx<sup>o</sup>aye -- B tfaye/tx<sup>o</sup>ay beech, hornbeam.

\*\*\*

\*x<sup>o</sup>ənTx<sup>o</sup>ə husk of millet \*weTx<sup>o</sup>(a) S to thrust, stab, prick  
 \*λənTx<sup>o</sup>a artery

90. Čx<sup>o</sup>, Šx<sup>o</sup>

(The two possibilities are not ordered alphabetically. The only certain case of \*Čx<sup>o</sup> is the morpheme bridle and its derivative bit).

\*Čx<sup>o</sup>a -- B šk:<sup>o</sup>a/šx<sup>o</sup>a Be čx<sup>o</sup>a bridle.  
 \*Šx<sup>o</sup>a -- B šk:<sup>o</sup>a/šx<sup>o</sup>a Be šx<sup>o</sup>a large, great.  
 \*Šx<sup>o</sup>əžə -- B šk:<sup>o</sup>əžə/šx<sup>o</sup>əž pelvis.  
 \*Čx<sup>o</sup>aq<sup>o</sup>ə -- B šk:<sup>o</sup>a<sup>o</sup>ə/šx<sup>o</sup>a<sup>o</sup> bit. Cf. \*Čx<sup>o</sup>a.  
 \*Šx<sup>o</sup>ale -- B šk:<sup>o</sup>ale/šx<sup>o</sup>al udder.

\*\*\*

\*weŠx<sup>o</sup>ə T to spread out, tr. \*g<sup>o</sup>eŠx<sup>o</sup>a (to be) courageous, enthusiastic

91. Lx<sup>o</sup>

\*Lx<sup>o</sup>(a) -- B λf(a)/λx<sup>o</sup>(a) to give birth, (in)tr., cf. K daλx<sup>o</sup> brother (of woman).

92. q<sup>h</sup>

\*q<sup>h</sup>a -- B q<sup>h</sup>a/qa grave/cemetery.  
 \*q<sup>h</sup>apa -- .../qāpa scale of fish.  
 \*q<sup>h</sup>a(m)pa -- T qāmpa/qāpa dandruff, K also husk of grain.  
 \*q<sup>h</sup>aPla -- .../qābla stretcher, litter for carrying dead to cemetery (T pčambla).  
 \*q<sup>h</sup>axa -- .../qāxa feeble.

\*\*\*

\*baq<sup>h</sup>e K cow-shed \*weš<sup>o</sup>arq<sup>h</sup>e T S to trouble, make muddy (ša-)  
 \*z<sup>o</sup>arq<sup>h</sup>e B troubled (water), stifling

93. q:

\*q:ə -- .../za-<sup>g</sup>ə-a-<sup>q</sup> to loosen, unbutton (collar, shirt) (za-<sup>g</sup>ə-a-joined).

\*q:ə -- T -qə/-<sup>q</sup> large, (filled?), T nəba-q/nəba-<sup>q</sup> pot-bellied, T ca-mə-q/ʒa-mə-<sup>q</sup> with large teeth (\*c:a tooth, -mə- prob. connective).

\*q:(a) -- B q:ə/qə to be benumbed, dumbfounded, speechless, S to harden, itr., T ɣa-qə to make blunt, to fill, cram, T pə-qa to make blunt (pə- tip). Cf. also \*pʰaq:a, \*ʃaq:a.

\*q:(a) -- B ya-q:ə-x/yə-<sup>q</sup>a to swallow/to devour (ya-...-x down, yə- hollow).

\*q:a -- B tʰya-q:a/... to overtake, leave behind (tʰya- on).

\*q:əS<sup>o</sup>ca -- B q:əpča S q:əs<sup>o</sup>ta/qəpča plum.

\*q:əλə -- .../qəλ vjazel' pěstryj (bot.).

\*q:əq:ə -- B q:əq:ə/qəq to stutter.

\*q:əwə -- .../qəw swan.

\*q:ərə -- .../qər stony land (unfit for agriculture), rock.

\*q:ap<sup>h</sup>ə -- .../qəp sack.

\*q:abe -- B q:abe/qəb pumpkin (cf? Tu kabak).

\*q:aze -- B q:əze/qəz goose (Tu kaz).

\*q:aPz(a) -- B q:əbzə/qəbzə clean, B wəq:abzə/wəqabz to clean.

\*q:ənʒ'a -- B q:ənʒ'a/qənʒa magpie.

\*q:ala -- B q:əla/qəla town, fortress (Tu kale).

\*q:(a)Pla -- B q:əbla/qəbla south.

\*q:aq:a -- B q:əq:a/qəq to cackle, crow.

\*q:əS<sup>o</sup>a -- T qəš<sup>o</sup>a/qəš<sup>o</sup>a sky-blue, T also green.

\*q:aye -- B q:aye/qə-qay to belch (qə- hither), B also to hiccup.

\*wəq:aya -- See \*wəq:əaya.

\*q:ama -- B q:əma/qəma dagger (Tu kama).

\*q:anə -- B q:ən/qən ward, pupil (cf? Tu kan blood).

\*q:ara -- B q:ara/qəra black (of horse) (Tu kara).

\*\*\*

*t:əq:ə	<u>back part</u>	*naq:ə	<u>S to flower, bloom</u>
*dəq:ə	<u>to stiffen, grow numb</u>	*pʰaq:a	<u>snub-nosed</u>
*saq:ə	<u>(to be) careful</u>	*t:aq:a	<u>stump, thick end, handle</u>
*ʒarq:ə	<u>S pole w. branches on which herdsmen hang sacks, etc.</u>	*daq:a	<u>hind end</u>
*g <sup>o</sup> ərq:ə	<u>vertebra of neck (pṣa-)/ protuberance of thorax</u>	*c:aq:a	<u>to bite</u>
*q:əq:ə	<u>to stutter</u>	*q:əaq:a	<u>shoes</u>
*ħaq:ə	<u>duty, obligation</u>	*Pħaq:a	<u>self-satisfied/with wide breast</u>
*wəq:ə	<u>to open wide, distend</u>	*ʃaq:a	<u>stupid</u>
*warq:ə	<u>nobleman</u>		

24. Pg:

\*Pq:<sup>ə</sup> -- B pq:<sup>ə</sup>/pqə framework, (part of) body, stone of fruit, (in compounds:) bone, stalk, K waradə-pq melody, cf. \*ṣ<sup>ə</sup>a.

\*Pq:<sup>a</sup> -- B -pq:<sup>a</sup>/-pqa piece of land destined for cereals (K g<sup>ə</sup>aʒə-pqa id. for wheat, etc.), T ḡ<sup>ə</sup>əna-pqa/ḡ<sup>ə</sup>əna-pqa boundary (ḡ<sup>ə</sup>əna edge, border).

\*Pq:<sup>ə</sup>ṣ<sup>ə</sup>a -- B pq:<sup>ə</sup>ṣ<sup>ə</sup>a/pçəfa well-built.

\*Pq:<sup>ə</sup>ḡ<sup>ə</sup>a -- T pqəḡ<sup>ə</sup>a/pqəḡ<sup>ə</sup>a thing, object.

\*Pq:<sup>a</sup>əna -- T pqəna/pqəna (dye made of) henna (cf? Tu kīna).

\*Pq:<sup>a</sup>we -- B pq:<sup>a</sup>we/pqaw pillar, post.

\*\*\*

\*daPq:<sup>ə</sup> B wall for modelling (clothes)

\*žaPq:<sup>ə</sup> chin, B also steep hill \*naPq:<sup>ə</sup> cheekbone; riverbank

\*λaPq:<sup>ə</sup> tribe, clan, kind, sort \*zaPq:(a) (to) straight(en)

\*PlePq:<sup>ə</sup> shoulder-joint \*ṣəPq:(a) real, genuine, complete

\*x<sup>ə</sup>əPq:<sup>ə</sup> B weaving loom; form or frame \*k<sup>h</sup>əPq:(a) stone of fruit

25. q

\*q<sup>ə</sup>a -- B ?a/?a hand, arm, S also to touch, tr.

\*q<sup>ə</sup>a -- B ?a/?a (in compounds:) horned cattle, cf. \*q<sup>ə</sup>aš:’ə, \*q<sup>ə</sup>až<sup>ə</sup>a, etc.

\*q<sup>ə</sup>a -- B š<sup>h</sup>’ə-?a/ṣə-?a to be there, exist (\*š<sup>h</sup>’ə- general deixis), T ḡā-?a to lift, raise, unfold (banner), open (umbrella), T pə-?a to tear off, itr. (pə- tip), B yə-?a/yə-?a to be a possession of (yə- refers to possessor).

\*q<sup>ə</sup>a -- B yə-?a/yə-?a to dye, tr.

\*q<sup>ə</sup>əxə -- T ?əxə/?əx to take, receive stg. from sb., T q-ya-?əxə/’q-ay-?əx id. (\*q:ə- hither).

\*q<sup>ə</sup>əg(a) -- B ?əgə/?əg to be held (B sə-mə-?əg don't hold me!, sə-p-?əg you hold me), K xa-?əgə to hold stg. in a mass xa-, tr.

\*q<sup>ə</sup>əha -- B ?əhə/?əha part, share.

\*q<sup>ə</sup>əp<sup>h</sup>a -- B ?əp<sup>h</sup>a/?əpa finger.

\*q<sup>ə</sup>ab(a) -- B ?əba/?əba to stretch out the hand, itr., K also to steal, tr., T ?əbə hand; to tear off, K ya-?ab to touch, itr.

\*q<sup>ə</sup>a(m)p<sup>ə</sup>a -- T ?əp<sup>ə</sup>a/?əmp<sup>ə</sup>a thing, goods, wares/bag, pouch, equipment, trifle.

\*q<sup>ə</sup>at<sup>h</sup>ə -- B ?ət<sup>h</sup>ə/?ət to take up, lift up.

\*q<sup>ə</sup>at<sup>h</sup>a -- B ?ət<sup>h</sup>a/?əta haystack (larger than \*qag<sup>ə</sup>a).

\*q<sup>ə</sup>ada -- B ?əda/?əda pincers, tongs.

\*q<sup>ə</sup>ase -- B λə-?əse/λə-?əs to reach to, get to (λə- after).

\*q<sup>ə</sup>asa -- B ?əsa/?əsa tame, quiet, T also to become silent.

\*q<sup>ə</sup>aza -- B ?əza/?əza skilful, master, doctor.

\*q<sup>ə</sup>aPṣa -- B ?əpṣa/?əpṣa wrist.

\*q<sup>ə</sup>əṣ<sup>ə</sup>e -- B ?əṣ<sup>ə</sup>e/?əf sweet.

\*q<sup>ə</sup>aš:’ə -- B ?aš:’ə/?əš enclosure for cattle/cattle.

\*qapč:a -- B ?apč:a/... forest-trail, T pa-?apča far, separated. Cf. \*qag<sup>0</sup>a.

\*qas:a -- B ?aš:a/?asa tool, weapon.

\*qaza -- B ža/?aza sledge.

\*qaza -- T ya-?aža/... to hold back, restrain.

\*qala -- T ?aλa/?ala mitts, gloves.

\*qanla -- B ?anλa/?anla trough (for dough).

\*qale -- T ?aλe/?al wild (opposite of \*qasa tame).

\*qapla -- T ?abla/?abla arm, forearm.

\*qapλ(a) -- B ?apλe/?apλa embrace, K also armful.

\*qaga -- B ?aʒ'-ey/?aga handful, many.

\*qaska -- T ?aška/?aška lump, (snow)ball.

\*qapga -- T ?abga/... wattle-made drying-rack for corn, etc.

\*qag<sup>0</sup>e -- T ?ag<sup>0</sup>e/... courtyard (T also šag<sup>0</sup>e).

\*qag<sup>0</sup>(a) -- B ?ag<sup>0</sup>e/?ag<sup>0</sup> palm of hand, B ?ag<sup>0</sup>a/?ag<sup>0</sup>a small haystack/handful.

\*qapga -- .../?abga herd of beef-cattle.

\*qax<sup>0</sup>e -- T ?ax<sup>0</sup>e/... bracelet (K ?a-pša-ž<sup>0</sup>).

\*qax<sup>0</sup>a -- B ?až<sup>0</sup>a/?až<sup>0</sup>a herdsman of cattle.

\*qapx<sup>0</sup>a -- .../?apx<sup>0</sup>a to move to another place.

\*qag<sup>0</sup>a -- T ?ag<sup>0</sup>-aw, pa-?ag<sup>0</sup>a/?ag<sup>0</sup>a nearby. Cf. \*qapč:a.

\*qapg<sup>0</sup>a -- T ?abg<sup>0</sup>a/... piece (of cloth, leather, etc.).

\*qaya -- B ?aya/?ay bad, B also ugly.

\*qana -- B ?ana/?ana small three-legged table.

\*\*\*

*Pseqa	<u>wet/wetness, moisture</u>	*g <sup>0</sup> (a)qa	B <u>to hurry</u>
*čh'(a)qa	<u>to put up with, withstand</u>	*weqa	<u>to wound</u>
*čeqa	<u>cold (noun)</u>	*naqa.	<u>attention, care</u>
*g <sup>0</sup> eqa	<u>to worry, care/grieve, sob</u>		

## 96. x

\*x(a) -- B xə/xə net, fishing net, web, B baž'-ə-xə/bagə-žə spider-web, B xə/... to knit, tr., B xə/za-rə-xə to knit, B itr.

\*xəza -- T xəža/xəža to hurry/to be bold, decisive, frenzied.

\*xəga -- .../xəga-bz girl (-bz female).

\*xəyə -- .../xəy excitement, fury.

\*xəya -- B xəya/xay to move, make movements.

\*xəwə -- B xəwə/... grey shrike, T jay.

\*xath<sup>h</sup>a -- B xat<sup>h</sup>a/xāta (nothing) special, important/(not) a bit (used in negative expressions only).

\*xaxa -- T xaxa/... boastful.

\*xare -- T xare/xar grating, K also lace.

\*\*\*

*č̥erxe	K <u>to touch</u>	*səxa	<u>crystals (of snow, sugar)</u>
*č̥erxe	<u>thin, transparent (fabric)</u>	*λaχa	<u>(to) hobble</u>
*č̥'arxe	<u>wheel</u>	*χaχa	T <u>boastful</u>
*wəmaχe	T <u>to bless, to baptize</u>	*g̥aχa	<u>to do, accomplish</u>
*p̥erx(a)	<u>(to) snore</u>	*g̥aχa	T <u>to curse, tr.</u>
*p:aχa	<u>steam</u>	*maχa	T <u>sharp pain due to inflammation of nerve</u>
*c:aχa	<u>w. wide-spaced teeth</u>		

27. P̥

\*P̥e -- T p̥e/p̥e carrot.

\*P̥(a) -- B p̥e/p̥e to strew, scatter, sow by strewing, tr., T xa-p̥a/x-a-p̥a to strew into, tr.

\*P̥a -- B p̥a/p̥a wood, (in compounds:) tree; material for stg.; means, instrument.

\*P̥ap̥a -- B p̥ap̥a/... small stick.

\*P̥aʒe -- T p̥aʒe/... lot, fate.

\*P̥ača -- T p̥ača/... bedbug.

\*P̥aP̥e -- B p̥apse/p̥aps plane (tool).

\*P̥aşa -- B p̥aşa/p̥aşa weaver's comb.

\*P̥aç:ə -- T p̥aç:ə/p̥av rafter/brace between rafter and beam.

\*P̥aş:ə -- T p̥aş:ə/p̥afa treebark.

\*P̥ačhə -- B p̥ačhə/p̥aşa rough, tough, spirited.

\*P̥ačhə -- T p̥aşa/p̥aşa brittle, fragile.

\*P̥a(m)Pla -- T p̥a(m)bla/p̥abla stretcher on which the dead are carried to the grave, T also transport of the dead on horses.

\*P̥ank(a) -- B p̥anc'a, p̥anc'ə/p̥ank to sweep, itr. and tr.

\*P̥axə -- B p̥axə/p̥ax file (tool).

\*P̥axə -- T p̥axə/p̥ax to open, uncover (a straw roof).

\*P̥akʰə -- T p̥akʰə/p̥akʰ heart of tree/timber.

\*P̥aškʰə -- .../p̥aškʰ wooden ring at end of rope for tying up fast (also p̥aškʰ, p̥aškʰ, originally prob. "wood-squeeze").

\*P̥axʰə -- S p̥afe/... birch.

\*P̥aP̥a -- T p̥ap̥a/... crumbly, to crumble.

\*P̥aq:ə -- .../p̥aq:ə torch.

\*P̥ačhə -- B p̥ačhə/p̥ačhə rasp.

\*P̥a(m)(P)g̥ə -- B p̥ambg̥ə/p̥a(m)bg̥ board, plank, S also p̥ačhə.

\*P̥ana -- T p̥ana/... square on chessboard.

\*P̥are -- B p̥are/p̥ar alarm, pursuit, chase. Cf. \*P̥arə.

\*\*\*

*P̥eP̥e	K <u>liar</u>	*č̥'aP̥e	<u>small shot</u>
*z̥əaP̥e	<u>to pour boiling water over stg. (č̥a-)</u>	*č̥:aP̥e	<u>to dry up, dry out</u>

*kaP <small>χ</small> e	<u>squirrel</u>	*x <sup>o</sup> əP <small>χ</small> a	K <u>rolling-pin</u>
*PzeP <small>χ</small> a	<u>pattern (for cutting)</u>	*P <small>χ</small> aP <small>χ</small> a	T <u>crumbly, to crumble</u>
*š <small>h</small> aP <small>χ</small> a	<u>measure, size, example</u>	*q: <sup>o</sup> əP <small>χ</small> a	<u>form, mold, shoe-tree</u>
*(P)k <small>χ</small> eP <small>χ</small> a	<u>small toothed wheel for cutting dough</u>	*x <sup>o</sup> əP <small>χ</small> a	<u>talented, having aptitude</u>

98. Tχ

\*Tχ(a) -- B tχe/tχe to scratch, B χa-tχe/tχe to peel ears of corn, B also to harrow, T xa-tχe/xa-tχ to tear (out), K xa-tχa to tear apart (xa- mass).

\*Tχa -- B tχa/tχa to prosper, live in abundance.

\*TχeTχe -- B tχetχe/tχetχ to hurry.

\*Tχax<sup>o</sup>a -- .../tχax<sup>o</sup>a husks (after peeling corn).

\*\*\*

*zanT <small>χ</small> e	<u>oats</u>	*p <small>h</small> aT <small>χ</small> a	B <u>ragamuffin</u>
*lanT <small>χ</small> e	T <u>to be torn (off)</u>	*ç: <sup>o</sup> ə(n)T <small>χ</small> a	B <u>to tear up</u>
*kanT <small>χ</small> e	K <u>remains on bottom</u>	*PlanT <small>χ</small> a	T <u>shoulder w. leg (of animal)</u>
*T <small>χ</small> eT <small>χ</small> e	<u>to hurry</u>	*k <small>h</small> aT <small>χ</small> a	<u>to tear or be torn to shreds</u>
*q: <sup>o</sup> anT <small>χ</small> e	<u>spoils, trophy</u>		

99. Sχ

\*wəSχenda -- T wesχenda/... to let oneself go, become shabby.

\*\*\*

\*taSχa (to become) weak/unstable,  
Be secret

100. Sχ

\*Sχe -- S χa-şχe/şχa-şχ to move down, bend down, incline, tr.

\*Sχa -- S şχa/... small, tiny, T şχaşχa to be smashed to smithereens.

\*Sχeşχe -- .../şχeşχ to rustle, crackle.

\*Sχayə -- T şχayə/... small (potatoes, change, etc.). Cf. \*Sχayə.

\*Sχara -- .../yə-şχara north (cf. \*Sχe; yə- poss. 3rd pers. possessive).

\*\*\*

*S <small>χ</small> eş <small>χ</small> e	K <u>to rustle, crackle</u>	*ç <small>e</small> ş <small>χ</small> a	T <u>to glitter, sparkle</u>
*naS <small>χ</small> e	<u>sad/stern, angry glance</u>	*kaş <small>χ</small> (a)	K <u>poor, meagre; in small pieces</u>

101. ȡ

\*ȡe -- T ȡe-ȡe/ȡe-ȡ to be worn by sb. (of clothes) (\*ȡe- location).

\*<sup>č</sup>ga(a) -- B <sup>č</sup>ge/<sup>č</sup>ge to weep, T tya-<sup>č</sup>ga/tay-<sup>č</sup>ga to weep over, bewail (\*t<sup>h</sup>ya-on).

\*<sup>č</sup>ga -- B <sup>č</sup>ga/<sup>č</sup>ga year, season, T also summer.

\*<sup>č</sup>ga -- B <sup>č</sup>ga-/<sup>č</sup>ga- causative prefix; petrified in several stems, cf. \*<sup>č</sup>gaza, \*<sup>č</sup>gaza, etc.

\*<sup>č</sup>ga -- B -<sup>č</sup>ga/-<sup>č</sup>ga suffix for nomina actionis and abstracta; also in names of products, cf. \*Pze<sup>č</sup>ga, \*<sup>č</sup>saga, etc., for which cf. also \*-<sup>č</sup>ga past tense.

\*<sup>č</sup>gəPza -- B <sup>č</sup>gəbza/<sup>č</sup>gəbza lament (song).

\*<sup>č</sup>gasa -- B <sup>č</sup>gasa/<sup>č</sup>gasa mowed harvest (uncollected or unthreshed), B also wagonload of mowed grain.

\*<sup>č</sup>gaze -- T ya-<sup>č</sup>gaze/ya-<sup>č</sup>gaz to force, compel sb. to do stg.

\*<sup>č</sup>gaza -- T <sup>č</sup>gaza/<sup>č</sup>gaza to turn, spin, tr., K also turn(off)

\*<sup>č</sup>gaza -- T <sup>č</sup>s'a-<sup>č</sup>gaza/fa-<sup>č</sup>gaza measles (\*<sup>č</sup>s'a skin). Prob. to preceding item.

\*<sup>č</sup>gaza -- T pə-<sup>č</sup>ga-za-n/pə-<sup>č</sup>gaza to solder stg. to stg., tr. (pə- tip).

\*<sup>č</sup>gasa -- B <sup>č</sup>gasa/<sup>č</sup>gasa life(time).

\*<sup>č</sup>gaz<sup>o</sup>a -- B <sup>č</sup>gaz<sup>o</sup>a/<sup>č</sup>gava grain harvested, T millet.

\*<sup>č</sup>gach<sup>h</sup>e -- T <sup>č</sup>gaš'ə/<sup>č</sup>gaš milk, milk products.

\*<sup>č</sup>gac<sup>h</sup>e -- T xa-<sup>č</sup>gac<sup>h</sup>e-<sup>č</sup>ga-r/xa-<sup>č</sup>gaž excision, carving/to cut out (of a mass xa-) (-<sup>č</sup>ga past, -r absolutive), K pə-<sup>č</sup>gaž to cut off from the front pe-.

\*<sup>č</sup>gaPla -- B <sup>č</sup>gabla/<sup>č</sup>gabla hunger, famine, K also crop failure.

\*<sup>č</sup>gaPla -- T <sup>č</sup>gapla/... to compress, to iron (originally poss. fold in four).

\*<sup>č</sup>gaTxa -- B <sup>č</sup>gatxa/<sup>č</sup>gatxa spring (season).

\*<sup>č</sup>gaxa -- T <sup>č</sup>gaxa/<sup>č</sup>gaxa to do, accomplish, tr., T <sup>č</sup>gaxa-<sup>č</sup>ga success.

\*<sup>č</sup>gaxa -- T <sup>č</sup>gaxa/... to curse, tr.

\*<sup>č</sup>gaga -- B q:a-<sup>č</sup>gaga/<sup>č</sup>qa-<sup>č</sup>gaga to flower, bloom (\*q:a- hither).

\*<sup>č</sup>gax<sup>o</sup>a -- T yə-<sup>č</sup>gax<sup>o</sup>a-n/yə-<sup>č</sup>gax<sup>o</sup>a to pour in (yə- hollow, container).

\*<sup>č</sup>gag<sup>o</sup>e -- B <sup>č</sup>gag<sup>o</sup>e/<sup>č</sup>gag<sup>o</sup> to have mercy.

\*<sup>č</sup>gaya -- B <sup>č</sup>gaya/<sup>č</sup>gay to mourn, lament.

\*<sup>č</sup>gaya -- .../<sup>č</sup>gay failure of crops, famine.

\*<sup>č</sup>gana -- .../<sup>č</sup>gana what is mowed off with one sweep of the scythe (cf? B har<sup>č</sup>gan mowed-off row).

\*<sup>č</sup>gare -- B <sup>č</sup>gare/<sup>č</sup>gar prisoner.

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*dər <sup>č</sup> ge	T <u>to sting (w. words), abuse</u>	*da <sup>č</sup> ga	<u>lard, fat</u>
*čer <sup>č</sup> ge	S <u>snail</u>	*ta <sup>č</sup> ga	K <u>to put on, dress</u>
*za <sup>č</sup> ge	<u>becoming (of clothes)/easily digestible</u>	*sa <sup>č</sup> ga	<u>bee bread/larvae and pupae of bees</u>
*ke(r) <sup>č</sup> ge	<u>to squeak, creak</u>	*Ps <sup>č</sup> ga	T <u>target (in shooting)</u>
*g <sup>o</sup> er <sup>č</sup> ge	<u>kingpin of cart</u>	*Pze <sup>č</sup> ga	<u>slice, piece</u>
* <sup>č</sup> qe <sup>č</sup> ge	<u>to be held</u>	*Pze <sup>č</sup> ga	<u>clear (about night)</u>
*q: <sup>o</sup> e <sup>č</sup> ge	K <u>to howl (as dogs)</u>	*za <sup>č</sup> ga	<u>to come to rest</u>
*t: <sup>č</sup> ega	<u>sun</u>	*Pza <sup>č</sup> ga	B <u>wrong (inner) side of textile</u>

*šaǵa	<u>(round) braid</u> , T also <u>wick</u>	*kaǵa	K <u>fog</u>
*z <sup>o</sup> əǵa	T <u>mass, multitude</u>	*g <sup>o</sup> əǵa	<u>hope</u> , K also <u>opinion</u>
*š <sup>h</sup> əǵ(a)	<u>beads</u>	*ǵaǵa	<u>to flower, bloom</u>
*P <sup>h</sup> əǵa	<u>grease-stain on clothing</u>	*q: <sup>o</sup> áǵa	<u>raven</u>
*Pč:(a)ǵa	<u>number, quantity</u>	*q: <sup>o</sup> áǵa	K <u>corner, space behind stg.</u>
*leǵa	<u>forest- or steppe-fire</u>	*yaǵa	<u>rash, pimple/fault</u>
*laǵa	T <u>plate, dish</u>	*waǵa	<u>ribbon, lace, braid</u> , T also <u>to braid, weave</u>
*Plaǵa	<u>near, close (as relative)</u>	*waǵa	T <u>to churn (butter)</u>
*Plaǵa	B <u>bead</u>		

102. Pg

*Pǵa	-- B bǵa/bǵa <u>to cover a roof with straw, tr.</u>
*Pǵa	-- T ya-bǵa/... <u>to take offense at, carry a grudge about (subject g<sup>o</sup>ə <u>the heart</u>).</u>
*Pǵa	-- B bǵa/bǵa <u>breast.</u>
*Pǵa	-- B bǵa/bǵa <u>eagle</u> , T also <u>kite.</u>
*Pǵa	-- B bǵa/bǵa <u>barren, dry (of cows).</u>
*Pǵag <sup>o</sup> ə	-- B bǵag <sup>o</sup> ə/bǵag <sup>o</sup> <u>brisket, thorax.</u>
*Pǵaq:ə	-- T bǵaq:a/bǵaq:a <u>self-satisfied/with wide breast.</u>
*PǵaŠx <sup>o</sup> a	-- T bǵašx <sup>o</sup> a/bǵašx <sup>o</sup> a <u>hawk/steppe-eagle.</u>

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*p <sup>h</sup> aPǵa	K <u>eager, burning w. desire</u>	*haPǵa	S <u>divan</u>
*z <sup>h</sup> əPǵa	<u>wind</u>	*naPǵa	<u>near-sighted</u>
*q <sup>h</sup> aPǵa	K <u>herd of beef-cattle</u>		

103. Sg

*Sǵerbe	-- T zǵerbe/zǵerəb <u>wild grape/gooseberry</u> (K also sǵerəb).
*Sǵaye	-- T zǵaye/zǵay <u>small (potatoes, change, etc.)</u> (T also sǵayə, K also zǵež).

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*p <sup>h</sup> esǵe	K <u>smithereens</u>	*weS <sup>h</sup> (a)	<u>to peel, pearl (barley)</u>
*naSǵe	<u>eye-socket</u>		

104. q<sup>h</sup>o

*q <sup>h</sup> o <sup>h</sup> ə	-- B q <sup>h</sup> o <sup>h</sup> ə/q <sup>h</sup> a-q <sup>o</sup> <u>to break wind (qa- <u>hither</u>).</u>
*q <sup>h</sup> o <sup>h</sup> a	-- B q <sup>h</sup> o <sup>h</sup> a/q <sup>o</sup> a <u>pig.</u>
*q <sup>h</sup> o <sup>h</sup> əza	-- .../q <sup>o</sup> əzā-na <u>sieve</u> (na <u>eye</u> , here a formative).
*q <sup>h</sup> o <sup>h</sup> əzə	-- B q <sup>h</sup> o <sup>h</sup> əzə/q <sup>o</sup> əz <u>pear.</u>
*q <sup>h</sup> o <sup>h</sup> əla	-- .../q <sup>o</sup> əla <u>thick sediment, dregs.</u>

\*q<sup>h</sup>o<sup>h</sup>ela -- B q<sup>h</sup>o<sup>h</sup>ela/... stalks and leaves (of melons, beets, potatoes, etc.).  
 \*q<sup>h</sup>o<sup>h</sup>əh(a) -- B q<sup>h</sup>o<sup>h</sup>əhə T q<sup>h</sup>o<sup>h</sup>əh/q<sup>h</sup>o<sup>h</sup>əh boat, ship.  
 \*q<sup>h</sup>o<sup>h</sup>as<sup>o</sup>a -- B q<sup>h</sup>o<sup>h</sup>as<sup>o</sup>a/q<sup>h</sup>o<sup>h</sup>afa boat.  
 \*q<sup>h</sup>o<sup>h</sup>as<sup>o</sup>a -- B ha-q<sup>h</sup>o<sup>h</sup>as<sup>o</sup>a/q<sup>h</sup>o<sup>h</sup>afa dog's ha feeding trough/gutter, trough.  
 \*q<sup>h</sup>o<sup>h</sup>aya -- B q<sup>h</sup>o<sup>h</sup>aya/q<sup>h</sup>o<sup>h</sup>ay cheese.

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*kaq <sup>h</sup> o <sup>h</sup> e	K <u>cock of gun</u>	*Txaq <sup>h</sup> o <sup>h</sup> a S <u>shady side of mountain</u>
*yac <sup>h</sup> o <sup>h</sup> e	<u>cud/entrails</u>	*x <sup>o</sup> ə(r)q <sup>h</sup> o <sup>h</sup> a <u>chaff</u>
*c'aq <sup>h</sup> o <sup>h</sup> a	<u>bread</u>	*ħaq <sup>h</sup> o <sup>h</sup> a <u>water-trough for cattle</u>
*čeq <sup>h</sup> o <sup>h</sup> a	B <u>badger</u>	*wəq <sup>h</sup> o <sup>h</sup> a <u>to whirl up, to destroy, be destroyed</u>
*xəq <sup>h</sup> o <sup>h</sup> a	<u>porpoise</u>	

105. q:<sup>o</sup>

\*q:<sup>o</sup>ə -- .../q<sup>o</sup>ə to thrash, beat.  
 \*q:<sup>o</sup>ə -- B yə-q:<sup>o</sup>ə/q<sup>o</sup>ə to fill up (e.g. a sack with flour).  
 \*q:<sup>o</sup>ə -- T ya-q<sup>o</sup>ə/yə-r-ey-q<sup>o</sup> it suffices/to be content, satisfied with stg., T yə-q<sup>o</sup>-č'a/yə-q<sup>o</sup>-ka very, fully (-č'a instrumental).  
 \*q:<sup>o</sup>ə -- B ya-q:<sup>o</sup>ə/ya-q<sup>o</sup> to push, pull. cover, case.  
 \*q:<sup>o</sup>(a) -- .../q<sup>o</sup>ə to stretch (e.g. a skin), tay-q<sup>o</sup>a to pull stg. over stg.  
 \*q:<sup>o</sup>ə -- .../q<sup>o</sup>ə handle, haft, knob of door, cf? also K pxa-q<sup>o</sup> contraption to prevent cow from sucking itself (pxa wood).  
 \*q:<sup>o</sup>(a) -- B č'a-ča-q:<sup>o</sup>a/ša-ča-q<sup>o</sup>a to prop up, support, K xabza-ča-q<sup>o</sup> one who upholds the tradition, K k<sup>o</sup>ə-q<sup>o</sup> crossbeam (\*č'a- under, \*xa-pxa tradition, \*k<sup>h</sup>o<sup>h</sup> middle).

\*q:<sup>o</sup>a -- B q:<sup>o</sup>a/q<sup>o</sup>a son.  
 \*q:<sup>o</sup>a -- B q:<sup>o</sup>a/q<sup>o</sup>a mountain-valley, ravine.  
 \*q:<sup>o</sup>ətħa -- B q:<sup>o</sup>ətħa/q<sup>o</sup>əta to smash, break up, chop.  
 \*q:<sup>o</sup>ərtħə -- B č:’at:-q:<sup>o</sup>ərtħə/q<sup>o</sup>ərtħ brood-hen (\*č:’at:ə chicken).  
 \*q:<sup>o</sup>əz(a) -- B q:<sup>o</sup>əzə/q<sup>o</sup>əz to compress, T č'a-q<sup>o</sup>əza/ša-q<sup>o</sup>əza to pull fast (as belt).  
 \*q:<sup>o</sup>əpħxa -- .../q<sup>o</sup>əpħxa form, mold, shoe-tree.  
 \*q:<sup>o</sup>əgə -- .../q<sup>o</sup>əgə to howl (as dogs).  
 \*q:<sup>o</sup>əšħa -- T q<sup>o</sup>əšħa/q<sup>o</sup>əšħa mountain, K also Balkar, Ossete.  
 \*q:<sup>o</sup>əpħħa -- B q:<sup>o</sup>əpħħa/q<sup>o</sup>əpħħa bone, K šħa-q<sup>o</sup>əpħħa skull.  
 \*q:<sup>o</sup>əye -- B q:<sup>o</sup>əye/q<sup>o</sup>əy mangy.  
 \*q:<sup>o</sup>əra -- B q:<sup>o</sup>əra/q<sup>o</sup>əra dried-out stalks, dried grass/rough (as hide).  
 \*q:<sup>o</sup>əph(a) -- B q:<sup>o</sup>əphə T q<sup>o</sup>āpa/q<sup>o</sup>āpa corner (e.g. of table), angle, S twig, \*wana-q:<sup>o</sup>əphə pommel of saddle.  
 \*q:<sup>o</sup>əde -- B q:<sup>o</sup>əde/... stubborn.  
 \*q:<sup>o</sup>a(n)čħa -- B q:<sup>o</sup>ānčħa/q<sup>o</sup>āčħa branch with twigs/branchy.  
 \*q:<sup>o</sup>alħħa -- B q:<sup>o</sup>ālħħa S q<sup>o</sup>āpħħa/q<sup>o</sup>āpħħa dark-haired, swarthy, K also lean.  
 \*q:<sup>o</sup>apsə -- B q:<sup>o</sup>apsə/q<sup>o</sup>aps handle, haft, ear (of vessel)/rhizome.

\*q:<sup>o</sup>a(n)č<sup>h</sup>’a -- B q:<sup>o</sup>āš<sup>h</sup>’a/q<sup>o</sup>ānša crooked.  
 \*q:<sup>o</sup>až’a -- B q:<sup>o</sup>āž’a/q<sup>o</sup>āža village, aul.  
 \*q:<sup>o</sup>ac<sup>h</sup>e -- B q:<sup>o</sup>ac<sup>h</sup>e/q<sup>o</sup>aš brother, B also relatives.  
 \*q:<sup>o</sup>anca -- B q:<sup>o</sup>anca/q<sup>o</sup>ānša jackdaw/rook.  
 \*q:<sup>o</sup>ala -- B q:<sup>o</sup>āla/q<sup>o</sup>āla to be turbulent/to boil, itr.  
 \*q:<sup>o</sup>ala -- T q<sup>o</sup>ala-ž<sup>o</sup>/q<sup>o</sup>āla raven/crow (ž<sup>o</sup> old, here hypocoristic).  
 \*q:<sup>o</sup>ak:<sup>o</sup>a -- T q<sup>o</sup>āk<sup>o</sup>a/q<sup>o</sup>āg<sup>o</sup>a hornless/one-horned, one-eared, asymmetrical.  
 \*q:<sup>o</sup>ax<sup>o</sup>e -- .../q<sup>o</sup>ax<sup>o</sup> (color of oxen:) black w. light horns, light grey a-round nose.  
 \*q:<sup>o</sup>anT<sup>h</sup>e -- B q:<sup>o</sup>ant<sup>h</sup>e/q<sup>o</sup>ānt<sup>h</sup> spoils, trophy.  
 \*q:<sup>o</sup>ağa -- B q:<sup>o</sup>āğa/q<sup>o</sup>āğ raven.  
 \*q:<sup>o</sup>ağa -- .../q<sup>o</sup>āğ corner, space behind stg. Cf. next item.  
 \*q:<sup>o</sup>ağ<sup>o</sup>e -- B q:<sup>o</sup>āğ<sup>o</sup>e/... corner. Cf. preceding item.  
 \*q:<sup>o</sup>ağ<sup>o</sup>e -- B q:<sup>o</sup>āğ<sup>o</sup>e/q<sup>o</sup>āğ<sup>o</sup> skinny, lean.  
 \*q:<sup>o</sup>aye -- T q<sup>o</sup>aye/q<sup>o</sup>ay 8th/3rd year of 12-year animal cycle (cf? Tu koyun sheep; there must be an error in the numbering in Kardanov 1957 as the 3rd year is also given as K ž<sup>o</sup>lān, which is the 6th in T ž<sup>o</sup>lān, cf. Tu yilan snake).  
 \*wəq:<sup>o</sup>aya -- T ġa-wəq<sup>o</sup>aya/wəq<sup>o</sup>ay to remove feathers with boiling water/to moult (T wəqaya-n to moult).  
 \*q:<sup>o</sup>ama -- S q:<sup>o</sup>āma/... twig.  
 \*q:<sup>o</sup>ane -- B q:<sup>o</sup>ane/q<sup>o</sup>āne-ž<sup>o</sup> a kind of mint (wood betony).

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*baq: <sup>o</sup> e	<u>furrow/boundary between two plots</u>	*Pzaq: <sup>o</sup> a	<u>horn (of cattle)</u>
*q <sup>o</sup> aq: <sup>o</sup> e	<u>bald</u>	*Pš: <sup>o</sup> eq: <sup>o</sup> a	<u>husband's brother</u>
*š: <sup>o</sup> eq: <sup>o</sup> e	<u>vessels, plates and dishes</u>	*λaq: <sup>o</sup> a	<u>leg</u>
*k <sup>h</sup> <sup>o</sup> eq: <sup>o</sup> e	K <u>crossbeam</u>	*Pλeq: <sup>o</sup> a	T <u>to cool off</u>
*Thaq: <sup>o</sup> e	<u>to steal/confiscate, abduct</u>	*λaq: <sup>o</sup> a	<u>clan/sworn brother</u>
*maq: <sup>o</sup> e	<u>hay</u>	*P <sup>h</sup> eq: <sup>o</sup> a	<u>crossbeam</u>
*baq: <sup>o</sup> a	<u>to step, stride</u>	*P <sup>h</sup> aq: <sup>o</sup> (a)	<u>to bark/to make noise</u>
*t <sup>h</sup> aq: <sup>o</sup> a	<u>to strew</u>	*Tharq: <sup>o</sup> a	<u>pigeon, dove</u>
*t: <sup>o</sup> erq: <sup>o</sup> a	<u>scar</u>	*wəq: <sup>o</sup> (a)	<u>top part drops down, sha-to doze</u>
*Tq <sup>o</sup> a(r)q: <sup>o</sup> a	<u>bifurcation/dual, in two</u>	*nəq: <sup>o</sup> a	<u>half; to be in need of</u>
*zaq: <sup>o</sup> a	<u>lonely, (a)alone</u>		

106. q<sup>o</sup>

\*q<sup>o</sup>e -- B ?<sup>o</sup>e/?<sup>o</sup>e (cavity of the) mouth; orifice.  
 \*q<sup>o</sup>e -- B ye-?<sup>o</sup>e/yə-?<sup>o</sup> to stick, put into (a hollow ye-), tr., B p<sup>h</sup>e-?<sup>o</sup>e/pə-?<sup>o</sup> to stick onto (\*p<sup>h</sup>e- tip).  
 \*q<sup>o</sup>(a) -- B q:a-?<sup>o</sup>e/qə-?<sup>o</sup> to resound, be heard, spread (of rumor) (\*q:a-hither), B ?<sup>o</sup>a/?<sup>o</sup>a to speak/to sing, crow (of birds).  
 \*q<sup>o</sup>a -- B ?<sup>o</sup>a/?<sup>o</sup>a pen, fold (for cattle)/wattle fence of id.

\*<sup>q</sup><sup>o</sup>a -- B <sup>?</sup><sup>o</sup>a/<sup>?</sup><sup>o</sup>a to thresh, itr. and tr., T <sup>?</sup><sup>o</sup>a-<sup>?</sup><sup>o</sup>ā-ca/fa-<sup>?</sup><sup>o</sup>ā-<sup>?</sup><sup>o</sup>ā implement for softening leather (\*<sup>?</sup><sup>o</sup>a hide, \*c:a tooth).

\*<sup>q</sup><sup>o</sup>a -- B <sup>?</sup><sup>o</sup>a/-<sup>?</sup><sup>o</sup>a suffix -ish with color names.

\*<sup>q</sup><sup>o</sup>əp<sup>h</sup>a -- B <sup>?</sup><sup>o</sup>əp<sup>h</sup>a/<sup>?</sup><sup>o</sup>əp<sup>h</sup>a mouth, lips.

\*<sup>q</sup><sup>o</sup>əbə -- T <sup>?</sup><sup>o</sup>əbə/<sup>?</sup><sup>o</sup>əb gulp/to gulp.

\*<sup>q</sup><sup>o</sup>əbə -- T <sup>?</sup><sup>o</sup>əbə/<sup>?</sup><sup>o</sup>əb to overturn.

\*<sup>q</sup><sup>o</sup>ə(m)p<sup>a</sup> -- T <sup>?</sup><sup>o</sup>əp<sup>a</sup>/<sup>?</sup><sup>o</sup>əmp<sup>a</sup> bridle, reins.

\*<sup>q</sup><sup>o</sup>əda -- B <sup>?</sup><sup>o</sup>əda/<sup>?</sup><sup>o</sup>əda flounce, frill, fringe/lace (in the verb B K <sup>?</sup><sup>o</sup>əda to sew on, <sup>?</sup><sup>o</sup>ə- has the status of a prefix).

\*<sup>q</sup><sup>o</sup>əsə -- B <sup>?</sup><sup>o</sup>əsə/<sup>?</sup><sup>o</sup>əs food, feed.

\*<sup>q</sup><sup>o</sup>əsa -- B ya-<sup>?</sup><sup>o</sup>əsa/ya-<sup>?</sup><sup>o</sup>əsa to touch.

\*<sup>q</sup><sup>o</sup>əp<sup>s</sup>ə -- B <sup>?</sup><sup>o</sup>əp<sup>s</sup>ə/<sup>?</sup><sup>o</sup>əp<sup>s</sup> spittle.

\*<sup>q</sup><sup>o</sup>əza -- .../<sup>?</sup><sup>o</sup>əza crooked; narrow, flat.

\*<sup>q</sup><sup>o</sup>əs(a) -- T <sup>?</sup><sup>o</sup>əsə-ha-n/<sup>?</sup><sup>o</sup>əsə to build (as dam)/dam.

\*<sup>q</sup><sup>o</sup>əp<sup>š</sup>a -- B <sup>?</sup><sup>o</sup>əp<sup>š</sup>a/<sup>?</sup><sup>o</sup>əp<sup>š</sup>a lips, K <sup>?</sup><sup>o</sup>əp<sup>š</sup>a <sup>?</sup><sup>o</sup>ən to purse one's lips (to show contempt) (?<sup>o</sup>ən to make).

\*<sup>q</sup><sup>o</sup>əs<sup>o</sup>a -- B <sup>?</sup><sup>o</sup>əs<sup>o</sup>a/<sup>?</sup><sup>o</sup>əfa shore, bank, edge.

\*<sup>q</sup><sup>o</sup>əz<sup>o</sup>ə -- B <sup>?</sup><sup>o</sup>əz<sup>o</sup>ə/<sup>?</sup><sup>o</sup>əv thick (layer, fluid), fat (person).

\*<sup>q</sup><sup>o</sup>əc<sup>h</sup>ə -- T <sup>?</sup><sup>o</sup>əs<sup>h</sup>ə/<sup>?</sup><sup>o</sup>əsə with crooked mouth/crooked, bent.

\*<sup>q</sup><sup>o</sup>ə(n)c'(a) -- B ya-<sup>?</sup><sup>o</sup>əc'(a)/<sup>?</sup><sup>o</sup>ən<sup>š</sup>a, ya-<sup>?</sup><sup>o</sup>ən<sup>š</sup> to push, shove.

\*<sup>q</sup><sup>o</sup>əPc'(a) -- B <sup>?</sup><sup>o</sup>əPc'(a)/<sup>?</sup><sup>o</sup>əp<sup>s</sup> articulate, clear, distinct. Cf. \*<sup>g</sup><sup>o</sup>əPc'(a).

\*<sup>q</sup><sup>o</sup>əPc'a -- B <sup>?</sup><sup>o</sup>əPc'a/<sup>?</sup><sup>o</sup>əp<sup>š</sup>a layer/piece, portion, B txə-<sup>?</sup><sup>o</sup>əPc'a/txə-<sup>?</sup><sup>o</sup>əp<sup>š</sup>a vertebra (txə backbone).

\*<sup>q</sup><sup>o</sup>əc(a) -- T we-<sup>?</sup><sup>o</sup>əcə/<sup>?</sup><sup>o</sup>əsə to cut, hew, trim.

\*<sup>q</sup><sup>o</sup>əš:ə -- B <sup>?</sup><sup>o</sup>əš:ə/<sup>?</sup><sup>o</sup>əs smart, intelligent, B we-<sup>?</sup><sup>o</sup>əš:ə to instigate.

\*<sup>q</sup><sup>o</sup>əPλa -- T <sup>?</sup><sup>o</sup>əpλa/<sup>?</sup><sup>o</sup>əpλa-<sup>?</sup><sup>o</sup>əa glance, look.

\*<sup>q</sup><sup>o</sup>əla -- T <sup>?</sup><sup>o</sup>əla/<sup>?</sup><sup>o</sup>əla to fool/to tempt, seduce.

\*<sup>q</sup><sup>o</sup>əλ(a) -- B <sup>?</sup><sup>o</sup>əλa/<sup>?</sup><sup>o</sup>əλa, ya-<sup>?</sup><sup>o</sup>əλ to tack, stitch, rivet.

\*<sup>q</sup><sup>o</sup>ən<sup>k</sup>ə -- T <sup>?</sup><sup>o</sup>ən<sup>k</sup>ə-<sup>?</sup><sup>o</sup>əbza/<sup>?</sup><sup>o</sup>ən<sup>k</sup>ə-bza lock, T also key.

\*<sup>q</sup><sup>o</sup>əPxa -- T pa-<sup>?</sup><sup>o</sup>əpxa/<sup>?</sup><sup>o</sup>əpxa apron.

\*<sup>q</sup><sup>o</sup>ək<sup>h</sup>əa -- T <sup>?</sup><sup>o</sup>ək<sup>h</sup>əa/<sup>?</sup><sup>o</sup>ək<sup>h</sup>əa plug, spigot.

\*<sup>q</sup><sup>o</sup>ə(P)č<sup>o</sup>a -- B <sup>?</sup><sup>o</sup>əč<sup>o</sup>a T <sup>?</sup><sup>o</sup>ə(p)č<sup>o</sup>a, pa-<sup>?</sup><sup>o</sup>əč<sup>o</sup>a/<sup>?</sup><sup>o</sup>əč<sup>o</sup>a curtain.

\*<sup>q</sup><sup>o</sup>əšč<sup>o</sup>a -- B <sup>?</sup><sup>o</sup>əšč<sup>o</sup>a/... shrew, termagant. Cf? \*<sup>q</sup><sup>o</sup>ašč<sup>o</sup>ə.

\*<sup>q</sup><sup>o</sup>əg<sup>o</sup>a -- B <sup>?</sup><sup>o</sup>əg<sup>o</sup>a/<sup>?</sup><sup>o</sup>əg<sup>o</sup>a smoke.

\*<sup>q</sup><sup>o</sup>əšha -- B <sup>?</sup><sup>o</sup>əšha/<sup>?</sup><sup>o</sup>əšha poppy.

\*<sup>q</sup><sup>o</sup>əya -- T <sup>?</sup><sup>o</sup>əya/<sup>?</sup><sup>o</sup>ay foot-and-mouth disease.

\*<sup>q</sup><sup>o</sup>əna -- B <sup>?</sup><sup>o</sup>əna/<sup>?</sup><sup>o</sup>əna nail.

\*<sup>q</sup><sup>o</sup>at<sup>h</sup>ə -- B <sup>?</sup><sup>o</sup>at<sup>h</sup>ə/<sup>?</sup><sup>o</sup>at to knead, rub (esp. leather).

\*<sup>q</sup><sup>o</sup>at<sup>h</sup>a -- B <sup>?</sup><sup>o</sup>at<sup>h</sup>a/<sup>?</sup><sup>o</sup>ata to tell, report/to announce, make known.

\*<sup>q</sup><sup>o</sup>a(<sup>r</sup>/n)ta -- B <sup>?</sup><sup>o</sup>ānta/<sup>?</sup><sup>o</sup>ānta to bend, distort/to turn, wind, K xa-<sup>?</sup><sup>o</sup>ā(n)ta to screw, drill in (xa- mass).

\*<sup>q</sup><sup>o</sup>ag<sup>o</sup>ə -- T <sup>?</sup><sup>o</sup>ag<sup>o</sup>ə/<sup>?</sup><sup>o</sup>ag<sup>o</sup> house-serf/homestead.

\*q<sup>o</sup>ax<sup>o</sup>e -- B ?<sup>o</sup>afe/?<sup>o</sup>ax<sup>o</sup> affair, business.  
 \*q<sup>o</sup>ax<sup>o</sup>a -- .../?<sup>o</sup>ax<sup>o</sup>a chaff.  
 \*q<sup>o</sup>ax<sup>o</sup>e -- T ?<sup>o</sup>ax<sup>o</sup>e/... to make a slip in speaking.  
 \*q<sup>o</sup>ašx<sup>o</sup>e -- .../?<sup>o</sup>ašx<sup>o</sup> raving, delirium. Cf. \*q<sup>o</sup>ešx<sup>o</sup>a.  
 \*q<sup>o</sup>ašha -- B ?<sup>o</sup>ašha/?<sup>o</sup>ašha barrow/hill.  
 \*q<sup>o</sup>aye -- T ?<sup>o</sup>aye/?<sup>o</sup>ay to bleat.

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*w <sup>o</sup> paq <sup>o</sup> e	B <u>to pluck (a bird)</u>		<u>bride's headdress</u>
*Pseq <sup>o</sup> e	<u>riverbank</u>	*maq <sup>o</sup> e	<u>shield</u>
*š <sup>o</sup> aq <sup>o</sup> e	<u>(to turn) sour</u>	*naq <sup>o</sup> e	<u>face</u>
*č'eq <sup>o</sup> e	<u>buttons, fastening</u>	*p <sup>h</sup> eq <sup>o</sup> a	<u>cap, hat</u>
*č'eq <sup>o</sup> e	<u>upper part, top side</u>	*bəq <sup>o</sup> (a)	<u>misshapen</u>
*š <sup>h</sup> aq <sup>o</sup> e	<u>to moan</u>	*daq <sup>o</sup> (a)	<u>to listen, obey</u>
*Plaq <sup>o</sup> e	<u>upper back, shoulders</u>	*Pš: 'eq <sup>o</sup> a	<u>temporary lodging</u>
*g <sup>o</sup> aq <sup>o</sup> e	T <u>likable (person)</u>	*Pž'aq <sup>o</sup> a	<u>bee-garden</u>
*Cx <sup>o</sup> aq <sup>o</sup> e	<u>bit</u>	*λaq <sup>o</sup> (a)	<u>to request</u>
*haq <sup>o</sup> e	T <u>mushroom</u>	*wəq <sup>o</sup> (a)	<u>to peck</u>
*Thaq <sup>o</sup> e	T <u>boot-top</u>	*naq <sup>o</sup> a	<u>well-known, K also distinct,</u> <u>T also give oneself airs</u>
*Šhaq <sup>o</sup> e	<u>top edge/front part of</u>		

107. x<sup>o</sup>

\*x<sup>o</sup>e -- B x<sup>o</sup>e/x<sup>o</sup>e to graze, B ga-x<sup>o</sup>e/ga-x<sup>o</sup> to pasture, put to graze.  
 \*x<sup>o</sup>e -- B -x<sup>o</sup>e/x<sup>o</sup>e male.  
 \*x<sup>o</sup>e -- B -x<sup>o</sup>e/-x<sup>o</sup> collar, chain, cf. \*Psač<sup>o</sup>e, \*λač<sup>o</sup>e, etc.  
 \*x<sup>o</sup>(a) -- B x<sup>o</sup>(a)/x<sup>o</sup>(a) to ripen, grow, increase, become, happen, be (present) (usually x<sup>o</sup>e, but cf. K xax<sup>o</sup>a profit, etc.).  
 \*x<sup>o</sup>(a) -- B -x<sup>o</sup>(a)/-x<sup>o</sup>(a) wrong, cf. \*dač<sup>o</sup>e, \*sač<sup>o</sup>e, etc., T da-wənax<sup>o</sup>a to be ruined together with da- sb., K ?ag<sup>o</sup>ax<sup>o</sup>a clumsy.  
 \*x<sup>o</sup>a -- B x<sup>o</sup>a-ž'ə/x<sup>o</sup>a-ž to (ex)change (-ž'ə/-ž back, again, as previously, re-).  
 \*x<sup>o</sup>a -- B x<sup>o</sup>a/x<sup>o</sup>a to file, rub, itr. and tr.  
 \*x<sup>o</sup>a -- .../x<sup>o</sup>a to full (cloth), itr. and tr.  
 \*x<sup>o</sup>a -- See \*(P)x<sup>o</sup>a.  
 \*x<sup>o</sup>ep<sup>h</sup>e -- .../x<sup>o</sup>ep to lap up, tr.; large wooden spoon.  
 \*x<sup>o</sup>eš<sup>o</sup>t:ə -- T pe-x<sup>o</sup>eš<sup>o</sup>te/... to fly off (as wheel from axle) (pe- tip), T yə-x<sup>o</sup>eš<sup>o</sup>te to jump out (yə- hollow space).  
 \*x<sup>o</sup>ePče -- B x<sup>o</sup>epče/... to itch.  
 \*x<sup>o</sup>eša -- T x<sup>o</sup>eša/x<sup>o</sup>eša to quarrel, swear, grumble.  
 \*x<sup>o</sup>eša -- T x<sup>o</sup>eša/... to prance (of horse).  
 \*x<sup>o</sup>ečh'a -- T x<sup>o</sup>eš'a/x<sup>o</sup>eša mass, multitude, K also herd.  
 \*x<sup>o</sup>e(n)č'a -- B x<sup>o</sup>eč'a/x<sup>o</sup>enč'a to rob, itr. and tr., T x<sup>o</sup>enč'a raid.

\*<sup>č</sup>ə<sup>č</sup>ha -- B q:-ya-<sup>č</sup>ə<sup>č</sup>ha/<sup>č</sup>ay-<sup>č</sup>ə<sup>č</sup>ha to succeed, come off, T to happen to sb. (\*q:- hither).

\*<sup>č</sup>əP̄ga -- T <sup>č</sup>əb̄ga/... (cattle) for breeding.

\*<sup>č</sup>əPq:ə -- B <sup>č</sup>əpq:ə/... weaving loom; form or frame for modelling (clothes).

\*<sup>č</sup>əP̄ča -- B <sup>č</sup>əp̄ča/<sup>č</sup>əp̄ča talented, having aptitude.

\*<sup>č</sup>əma -- B <sup>č</sup>əma/<sup>č</sup>əma to protect, save, spare.

\*<sup>č</sup>ənə -- .../<sup>č</sup>ən meadow grass.

\*<sup>č</sup>ən(a) -- B <sup>č</sup>əna T <sup>č</sup>ənə/<sup>č</sup>ən moth.

\*<sup>č</sup>ət̄ha -- B <sup>č</sup>ət̄ha/... ravine, gully.

\*<sup>č</sup>ət̄:ə -- B <sup>č</sup>ət̄:ə/... blizzard.

\*<sup>č</sup>əPs(a) -- B <sup>č</sup>əpsa/<sup>č</sup>əpsa, ya-<sup>č</sup>əps to desire, fall in love with, be keen on, envy, itr.

\*<sup>č</sup>ə(a)k̄e -- T <sup>č</sup>əac̄:ə/tay-<sup>č</sup>ək̄ to rub, damage by rubbing (tay- surface), K px̄ere-y-<sup>č</sup>ək̄ to be worn into holes (px̄e-re- through).

\*<sup>č</sup>ək̄e -- B za-<sup>č</sup>əac̄:ə/za-<sup>č</sup>ək̄ to (ex)change (za- reflexive-reciprocal).

\*<sup>č</sup>əPske -- T qa-<sup>č</sup>əp̄(s)c̄:ə/<sup>č</sup>əpsk̄ to flash (of lightning), K also lightning. (Cf? B pč: 'əč'a lightning).

\*<sup>č</sup>əaš̄ka -- .../<sup>č</sup>əaš̄ka spark.

\*<sup>č</sup>əak̄:a -- B <sup>č</sup>əak̄:a/<sup>č</sup>əak̄:a to pasture, itr.

\*<sup>č</sup>əač̄(a) -- .../<sup>č</sup>əač̄:a to pronounce a toast or congratulation, <sup>č</sup>əač̄:a toast, congratulation.

\*<sup>č</sup>əaye -- T <sup>č</sup>əaye/... in abundance.

\*<sup>č</sup>əawə -- T <sup>č</sup>əawə/... deep ravine.

\*<sup>č</sup>əana -- B <sup>č</sup>əana/<sup>č</sup>əana, ya-<sup>č</sup>əan to curse, use expletives (to), T <sup>č</sup>əane/ <sup>č</sup>əan expletive.

\*<sup>č</sup>əare -- .../<sup>č</sup>əar parable.

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*bə <sup>č</sup> ə	<u>wide (clothes, opening)</u>	*na <sup>č</sup> ə	<u>wide (mesh)/big-eyed</u>
*da <sup>č</sup> ə	T <u>to make a wrong choice</u>	*p̄er <sup>č</sup> ə	K <u>corridor, porch</u>
*sa <sup>č</sup> ə	<u>spoiled (as child)</u>	*ta <sup>č</sup> ə(a)	<u>to scratch</u>
*P̄sa <sup>č</sup> ə	<u>chain/collar</u>	*Pse <sup>č</sup> ə	<u>riverbed, channel</u>
*č̄ə <sup>č</sup> ə	<u>gelding</u>	*č̄ <sup>č</sup> ə <sup>č</sup> ə	<u>to creep, slide</u>
*č̄:a <sup>č</sup> ə	<u>to run the wrong way</u>	*č̄(a) <sup>č</sup> ə	<u>herdsman of horses</u>
*ža(r) <sup>č</sup> ə	<u>chatterbox/coarse, boor</u>	*Pč̄a <sup>č</sup> ə	<u>sand</u>
*λa <sup>č</sup> ə	<u>fetters</u>	*λə <sup>č</sup> ə(a)	<u>to look for</u>
*λa <sup>č</sup> ə	<u>trot</u>	*k̄:a <sup>č</sup> ə	<u>pitchfork</u>
*Pλa <sup>č</sup> ə	T <u>to get wrong information</u>	*q̄a <sup>č</sup> ə	<u>hersman of cattle</u>
*ḡə(r) <sup>č</sup> ə	<u>(mortar for) crushing millet</u>	*P̄a <sup>č</sup> ə	<u>rasp</u>
*q̄a <sup>č</sup> ə	T <u>bracelet</u>	*ḡa <sup>č</sup> ə	<u>to pour in</u>
*q̄:a <sup>č</sup> ə	T <u>to make a slip in speaking</u>	*q̄:ə <sup>č</sup> ə	See *q̄:ə(P) <sup>č</sup> ə
*ha <sup>č</sup> ə	S <u>fig</u>	* <sup>č</sup> əa <sup>č</sup> ə(a)	<u>(to pronounce) a toast</u>
*wa <sup>č</sup> ə	B <u>to err, miss a target</u>	*ḡa <sup>č</sup> ə	<u>to howl, roar, holler</u>
*mə <sup>č</sup> ə	<u>unripe</u>	*wə <sup>č</sup> ə	<u>easy to split/to limb (-nš̄)</u>

108. Pš<sup>o</sup>

\*Pš<sup>o</sup>ə -- B pš<sup>o</sup>ə/pš<sup>o</sup>ə daughter.

\*Pš<sup>o</sup>(a) -- B pš<sup>o</sup>a/pš<sup>o</sup>a to grasp, snatch, itr., K pə-pš<sup>o</sup> to cut off or take away quickly, tr. (pə- tip).

\*(P)š<sup>o</sup>a -- B thya-š<sup>o</sup>a/tay-pš<sup>o</sup>a to cover, B thya-(p)š<sup>o</sup>a/tay-pš<sup>o</sup>a cover (table-cloth, etc.).

\*(P)š<sup>o</sup>amba -- T ?a-, λa-š<sup>o</sup>amba/?a-, λa-pš<sup>o</sup>amba finger, toe (?a hand, λa foot).

\*Pš<sup>o</sup>ath(a) -- B pš<sup>o</sup>atha/pš<sup>o</sup>ata to grasp, seize, tr., K xa-pš<sup>o</sup>at id. out of a mass xa-.

\*Pš<sup>o</sup>antha -- B pš<sup>o</sup>antha/pš<sup>o</sup>anta trunk, chest.

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\*zoaPš<sup>o</sup>ə T girl in rel. to wet-nurse \*qoaPš<sup>o</sup>a K haystack

\*Pš: 'ePš<sup>o</sup>ə husband's sister \*q:<sup>o</sup>ə(P)š<sup>o</sup>a curtain

\*čhəPš<sup>o</sup>ə sister \*wəPš<sup>o</sup>ə T to touch up, rectify, to cut (hair)

\*phəPš<sup>o</sup>a K haystack

109. Tš<sup>o</sup>

\*Tš<sup>o</sup>ə -- B tš<sup>o</sup>ə/tš<sup>o</sup>ə butter, B šh'ə-tš<sup>o</sup>ə/šə-tš<sup>o</sup> to praise, flatter, itr. (\*šh'ə- general deixis).

\*Tš<sup>o</sup>(a) -- B tš<sup>o</sup>(a)/tš<sup>o</sup>(a) to dig, scrape asunder, rake, (in)tr.

\*Tš<sup>o</sup>(a) -- .../tš<sup>o</sup>ə to grow grey (of hair), B tš<sup>o</sup>a/tš<sup>o</sup>a to grow grey (of hair), dun (color of horse)/grey (of horse).

\*Tš<sup>o</sup>a -- T da-tš<sup>o</sup>a/tš<sup>o</sup>a to quickly stick one's hand into stg. (box, etc.)/ to sidle, rush from side to side, gallop.

\*Tš<sup>o</sup>e<sup>r</sup>/mba -- T tš<sup>o</sup>erba/tš<sup>o</sup>eramba foam.

\*Tš<sup>o</sup>e(n)č'(a) -- B tš<sup>o</sup>eč'ə/tš<sup>o</sup>ənš to scrape, plane.

\*Tš<sup>o</sup>əλa -- B tš<sup>o</sup>əλa/tš<sup>o</sup>əλa butter-dish.

\*wəTš<sup>o</sup>əTš<sup>o</sup>ə -- S wətš<sup>o</sup>ətš<sup>o</sup>ə/... to beat (as eggs, cream).

\*Tš<sup>o</sup>eyə -- .../tš<sup>o</sup>ey (bot.) polygonum convolvulus.

\*Tš<sup>o</sup>aPλə -- T tš<sup>o</sup>apλə/... red-haired.

\*wəTš<sup>o</sup>aya -- S wətš<sup>o</sup>aya/... to get covered with mould.

\*\*\*

\*səTš<sup>o</sup>ə K hoar-frost \*λanTš<sup>o</sup>(a) filament, combing/pole with branches

\*wəTš<sup>o</sup>əTš<sup>o</sup>ə S to beat (eggs, cream) \*wəTš<sup>o</sup>a to become turbid, muddy

\*čənTš<sup>o</sup>a to scrape/to slide

110. Sš<sup>o</sup>

\*Sš<sup>o</sup>ə -- B šš<sup>o</sup>ə/... burdock.

\*Sš<sup>o</sup>a -- T ǵa-šš<sup>o</sup>a/... to temper, harden.

\*Sš<sup>o</sup>a -- B šš<sup>o</sup>a/šš<sup>o</sup>a sorcery, T mischief.

\*šx<sup>o</sup>a -- B šx<sup>o</sup>a/šx<sup>o</sup>a grey, grey-blue.  
 \*šx<sup>o</sup>əh(a) -- B šx<sup>o</sup>əhə T šx<sup>o</sup>əha/šx<sup>o</sup>əh sorcery/poison.  
 \*šx<sup>o</sup>a(n)t(a) -- B šx<sup>o</sup>anta S šx<sup>o</sup>ata/šx<sup>o</sup>anta (electric) blue, also "blue from cold", S green, K wə-šx<sup>o</sup>ant to become blue.  
 \*šx<sup>o</sup>are -- T šx<sup>o</sup>are/... alarm, pursuit, chase (with a posse). Cf. \*Pxare.

\*\*\*

\*z<sup>o</sup>a(S)ž<sup>o</sup>e (to commit) an oversight \*x<sup>o</sup>əšx<sup>o</sup>a medicine, curative  
 \*q<sup>o</sup>ašx<sup>o</sup>e K raving, delirium \*q:ašx<sup>o</sup>a sky-blue, T also green  
 \*wašx<sup>o</sup>e K to misfire \*Pgašx<sup>o</sup>a hawk/stepppe eagle  
 \*Pcašx<sup>o</sup>a swallow (zool.) \*q<sup>o</sup>əšx<sup>o</sup>a B termagant, shrew  
 \*g<sup>o</sup>ərəšx<sup>o</sup>a suspicion \*wašx<sup>o</sup>a K blue sky

III. ž<sup>o</sup>

\*ž<sup>o</sup>e -- B ž<sup>o</sup>e/ž<sup>o</sup>e to dry out, itr.  
 \*ž<sup>o</sup>e -- B ž<sup>o</sup>e/ž<sup>o</sup>e to gnaw, tr.  
 \*ž<sup>o</sup>e -- T fa-ž<sup>o</sup>e/x<sup>o</sup>a-ž<sup>o</sup> to remain unpunished (\*x<sup>o</sup>a- for sb.).  
 \*ž<sup>o</sup>e -- B -ž<sup>o</sup>e/-ž<sup>o</sup> companion, partner, \*ž<sup>o</sup>əna-ž<sup>o</sup> neighbor, etc.  
 \*ž<sup>o</sup>(a) -- .../ša-ž<sup>o</sup> to pity, itr. (ša- because of, subject g<sup>o</sup>e the heart), T č'a-ž<sup>o</sup>a-ž<sup>o</sup>/š-ay-ž<sup>o</sup>a-ž<sup>o</sup> to change one's mind (about doing stg.), K also to regret (-ž<sup>o</sup>e/-ž<sup>o</sup> back, as previously).  
 \*ž<sup>o</sup>a -- B ž<sup>o</sup>a/ž<sup>o</sup>a burrow, den, hole.  
 \*ž<sup>o</sup>a -- B yə-ž<sup>o</sup>a/yə-ž<sup>o</sup>a time, term, season (yə- 3rd pers. possessive); also suffix for abstracta (besides -ž<sup>o</sup>a).  
 \*ž<sup>o</sup>a -- B ž<sup>o</sup>a/ž<sup>o</sup>a reddish, brown, yellow, sorrel (of horse).  
 \*ž<sup>o</sup>a -- S ž<sup>o</sup>a/... mistletoe (T yag<sup>o</sup>a).  
 \*ž<sup>o</sup>a -- .../ž<sup>o</sup>a to bleat.  
 \*ž<sup>o</sup>e(n)d(a) -- B ž<sup>o</sup>ənde T ž<sup>o</sup>e(n)d(a)/ž<sup>o</sup>əd(a) gadfly.  
 \*ž<sup>o</sup>ərčha -- B ž<sup>o</sup>ərčha/... brushwood, shrubbery.  
 \*ž<sup>o</sup>əsa -- B ž<sup>o</sup>əsa/ž<sup>o</sup>əsa companion, fellow-traveler.  
 \*ž<sup>o</sup>əš(a) -- B ž<sup>o</sup>əše/ž<sup>o</sup>əš to dry out, itr., T ž<sup>o</sup>əša/ž<sup>o</sup>əša dry.  
 \*ž<sup>o</sup>əržə -- B ž<sup>o</sup>əržə T ž<sup>o</sup>əržə/... roof-tiles, S zinc roofing.  
 \*ž<sup>o</sup>əPž<sup>o</sup>e -- B ž<sup>o</sup>əbž<sup>o</sup>e/ž<sup>o</sup>əbž<sup>o</sup> Tuesday.  
 \*ž<sup>o</sup>əč'a -- T ž<sup>o</sup>əč'a/ž<sup>o</sup>əša to dry out, itr.  
 \*ž<sup>o</sup>əPč:a -- B ž<sup>o</sup>əpč:a/ž<sup>o</sup>əbža sickle.  
 \*ž<sup>o</sup>əPč:a -- B šhā-n-ž<sup>o</sup>əpč:a/šhā-ž<sup>o</sup>əbža window (\*šhā head).  
 \*ž<sup>o</sup>əčə -- B ž<sup>o</sup>əčə/ž<sup>o</sup>əš iron.  
 \*ž<sup>o</sup>ə(P)š:ə -- See \*(P)ž<sup>o</sup>ə(P)š:ə.  
 \*ž<sup>o</sup>əPš:a -- B šh<sup>o</sup>-ž<sup>o</sup>əpš:a/šə-ž<sup>o</sup>əpša to be forgotten (\*šh<sup>o</sup>- general deixis, refers to person forgetting).  
 \*ž<sup>o</sup>ə(<sup>r</sup>/n)ga -- B ž<sup>o</sup>ənž<sup>o</sup>a S ž<sup>o</sup>ərga/ž<sup>o</sup>əga mirror.  
 \*ž<sup>o</sup>ə(r)kə -- T ž<sup>o</sup>ərc'ə SM ž<sup>o</sup>əkə/... severe frost.

\*g<sup>o</sup>eka -- B g<sup>o</sup>əč<sup>č</sup>a/g<sup>o</sup>əka blacksmith.

\*g<sup>o</sup>əTha -- B g<sup>o</sup>əthā/g<sup>o</sup>əthā to relieve oneself, esp. to urinate.

\*g<sup>o</sup>emə -- B g<sup>o</sup>əmə/g<sup>o</sup>əm thick (of cylindrical objects), T also pregnant.

\*g<sup>o</sup>əna -- B g<sup>o</sup>əna/g<sup>o</sup>əna edge, border.

\*g<sup>o</sup>ap<sup>h</sup>a -- B g<sup>o</sup>əp<sup>h</sup>a/g<sup>o</sup>əpa sleeve.

\*g<sup>o</sup>(a)<sup>r</sup>/mbə -- T g<sup>o</sup>ərbə/g<sup>o</sup>əmb burrow, hole.

\*g<sup>o</sup>at<sup>h</sup>(a) -- B g<sup>o</sup>at<sup>h</sup>e/g<sup>o</sup>at to find, T pə-g<sup>o</sup>ata-n id. on stg. (pə- tip).

\*g<sup>o</sup>at<sup>h</sup>a -- See \*P<sup>g</sup>oat<sup>h</sup>a.

\*g<sup>o</sup>ata -- .../g<sup>o</sup>əta dark-reddish.

\*g<sup>o</sup>aPc:a -- T g<sup>o</sup>əpca/... to harden, form a crust (as dough).

\*g<sup>o</sup>ažə -- T pə-g<sup>o</sup>ažə/... to answer.

\*g<sup>o</sup>aPse -- T g<sup>o</sup>əpse/... ichor, pus.

\*g<sup>o</sup>aze -- B g<sup>o</sup>əze/g<sup>o</sup>əz steam, light fog, haze.

\*g<sup>o</sup>aza -- B g<sup>o</sup>əza/g<sup>o</sup>əza to be oriented, informed/leader, guide, target, point of orientation, sight (on gun).

\*g<sup>o</sup>aza -- T g<sup>o</sup>əza/... to dry out slightly.

\*g<sup>o</sup>aš<sup>o</sup>e -- T g<sup>o</sup>əš<sup>o</sup>e/... saline soil; dust-colored, dusty.

\*g<sup>o</sup>aš<sup>o</sup>(a) -- B -g<sup>o</sup>əš<sup>o</sup>e/-g<sup>o</sup>əfa easy. Cf. \*g<sup>o</sup>aya.

\*g<sup>o</sup>ač<sup>h</sup>'e -- T pə-g<sup>o</sup>aš<sup>o</sup>e/... to bring, lead stg. or sb. to meet sb. Cf. \*č<sup>h</sup>'(a) to take, bring, lead.

\*g<sup>o</sup>aPč:<sup>č</sup>a -- B g<sup>o</sup>əpč:<sup>č</sup>a/g<sup>o</sup>əbža brownish, yellowish.

\*g<sup>o</sup>aš:<sup>č</sup>a -- B g<sup>o</sup>əš:<sup>č</sup>a/g<sup>o</sup>əša to lose one's way.

\*g<sup>o</sup>až<sup>č</sup>e -- B g<sup>o</sup>əž<sup>č</sup>e/g<sup>o</sup>əž yellow.

\*g<sup>o</sup>ałə -- B g<sup>o</sup>əłə/g<sup>o</sup>əł to lie down.

\*g<sup>o</sup>aPλ(a) -- B g<sup>o</sup>əpλə/g<sup>o</sup>əpλ copper-red, B g<sup>o</sup>əpλa/g<sup>o</sup>əpλa red copper.

\*g<sup>o</sup>a(n)la -- B g<sup>o</sup>əla T g<sup>o</sup>ənla/g<sup>o</sup>əla to wither (of plants).

\*g<sup>o</sup>aməla -- T g<sup>o</sup>əməla/g<sup>o</sup>əməla food taken along on trip (-mə- poss. syllabi-fied connective, cf. \*P<sup>g</sup>əməšxə, \*λamež<sup>č</sup>e).

\*g<sup>o</sup>axə -- T pə-g<sup>o</sup>axə/... to take stg. to meet sb., in sb.'s direction.

\*g<sup>o</sup>ašxa -- B g<sup>o</sup>əšk:a/g<sup>o</sup>əšxa to chew (as ruminant, or person chewing gum).

\*g<sup>o</sup>a(r)ğə -- T g<sup>o</sup>ə(r)ğə/g<sup>o</sup>əğ to roar (as lion), to howl, weep loudly.

\*g<sup>o</sup>ag<sup>o</sup>e -- B g<sup>o</sup>əg<sup>o</sup>e, g<sup>o</sup>əg<sup>o</sup>e/g<sup>o</sup>əg<sup>o</sup> road.

\*g<sup>o</sup>ak<sup>o</sup>a -- T g<sup>o</sup>ək<sup>o</sup>a/... to lose its way, go astray (of cattle), T g<sup>o</sup>ərek<sup>o</sup>a animal gone astray.

\*g<sup>o</sup>a(n)Tk<sup>o</sup>a -- T g<sup>o</sup>ə(n)tk<sup>o</sup>a/... drop (of water, etc.).

\*g<sup>o</sup>ax<sup>o</sup>e -- T g<sup>o</sup>əfə/... zinc.

\*g<sup>o</sup>ax<sup>o</sup>a -- B g<sup>o</sup>əx<sup>o</sup>a/g<sup>o</sup>əx<sup>o</sup>a to howl, roar, holler, B also to speak loud.

\*g<sup>o</sup>ağ<sup>o</sup>a -- B g<sup>o</sup>əğ<sup>o</sup>a/g<sup>o</sup>əğ<sup>o</sup>a to thunder, roar (as guns).

\*g<sup>o</sup>aLħa -- T g<sup>o</sup>əLħa/... to brood, sit on eggs.

\*g<sup>o</sup>aLħa -- T pə-g<sup>o</sup>əLħa/... to follow; to catch hold of.

\*g<sup>o</sup>(a)ye -- B g<sup>o</sup>əye T g<sup>o</sup>əye/g<sup>o</sup>əy thicket, cf. T šħa-re-ğ<sup>o</sup>e id.

\*wəg<sup>o</sup>aye -- T wəg<sup>o</sup>əye/wəg<sup>o</sup>ay to collect, bring together.

\*g<sup>o</sup>aya -- B -g<sup>o</sup>āya/-g<sup>o</sup>ay difficult. Cf. g<sup>o</sup>aš<sup>o</sup>a.  
 \*g<sup>o</sup>awə -- B g<sup>o</sup>awə/g<sup>o</sup>aw town-crier.  
 \*g<sup>o</sup>ama -- T g<sup>o</sup>āma/g<sup>o</sup>āma smell/foul, filth.  
 \*g<sup>o</sup>ane -- T g<sup>o</sup>ane/... rotten wood (used for smoking out bees).  
 \*g<sup>o</sup>an(a) -- B g<sup>o</sup>āna/g<sup>o</sup>āna hole, wəg<sup>o</sup>ane/wəg<sup>o</sup>an to make a hole in stg., tr.

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*bəg <sup>o</sup> e	T <u>pedigreed bull</u>	*dač <sup>o</sup> a	<u>defect, shortcoming</u>
*c:ag <sup>o</sup> e	<u>to gnaw</u>	*te(r)g <sup>o</sup> a	<u>to soften, ripen</u>
*'cač <sup>o</sup> e	T <u>weak, frail</u>	*c:əg <sup>o</sup> a	<u>mouse</u>
*čh <sup>o</sup> eg <sup>o</sup> e	<u>salt</u>	*Pseč <sup>o</sup> a	<u>thin (cylindrical)</u>
*pč:ag <sup>o</sup> e	<u>stake, pole</u>	*šeg <sup>o</sup> a	<u>to wear mourning</u>
*žač <sup>o</sup> e	<u>chin/base of lower jaw</u>	*šag <sup>o</sup> a	<u>important, interesting, rare; astonished</u>
*žač <sup>o</sup> e	<u>foot of mountain</u>	*š <sup>o</sup> eg <sup>o</sup> a	<u>(to) envy</u>
*l(a)rg <sup>o</sup> e	<u>callosity, corn</u>	*š <sup>o</sup> ag <sup>o</sup> a	<u>pale</u>
*lač <sup>o</sup> e	B <u>person of the same age</u>	*č <sup>o</sup> ag <sup>o</sup> a	<u>star</u>
*Plač <sup>o</sup> e	<u>shoulder-blade</u>	*č'ag <sup>o</sup> a	<u>odious, unpleasant</u>
*g <sup>o</sup> eg <sup>o</sup> e	<u>story, account, report</u>	*Pčh <sup>o</sup> ag <sup>o</sup> a	<u>mist, haze</u>
*g <sup>o</sup> eg <sup>o</sup> e	<u>difficulty/difficult</u>	*č:ag <sup>o</sup> a	T <u>to settle (of turbid fluid)</u>
*Pčamč <sup>o</sup> e	See *PčamPč <sup>o</sup> e	*λag <sup>o</sup> (a)	<u>to see</u>
*čag <sup>o</sup> e	<u>to have mercy</u>	*λag <sup>o</sup> a	<u>path, track, trail</u>
*q: <sup>o</sup> ag <sup>o</sup> e	B <u>corner</u>	*lęč <sup>o</sup> a	<u>to be singed</u>
*q: <sup>o</sup> ag <sup>o</sup> e	<u>skinny, lean</u>	*Plač <sup>o</sup> a	<u>dragon, K also <u>crocodile</u></u>
*Thač <sup>o</sup> e	<u>(ear)ring</u>	*(P)kač <sup>o</sup> a	<u>soot</u>
*hač <sup>o</sup> e	S <u>treebark basket</u>	*k <sup>h</sup> eg <sup>o</sup> (a)	<u>yolk</u>
*yač <sup>o</sup> e	<u>nasty, malevolent, enemy</u>	*Pq:eg <sup>o</sup> a	<u>thing, object</u>
*wač <sup>o</sup> e	<u>drought</u>	*čag <sup>o</sup> a	<u>nearby</u>
*nač <sup>o</sup> e	T <u>crop of bird</u>	*č <sup>o</sup> eg <sup>o</sup> a	<u>smoke</u>
*bač <sup>o</sup> a	<u>to be(come) rich (harvest)/ to multiply, itr.</u>	*g <sup>o</sup> ag <sup>o</sup> a	<u>to thunder, roar (as guns)</u>
*t:eg <sup>o</sup> (a)	<u>to steal; thief</u>	*yač <sup>o</sup> a	T <u>mistletoe</u>
*dač <sup>o</sup> (a)	<u>good</u>	*meg <sup>o</sup> a	<u>poor, unfortunate</u>

112. Pg<sup>o</sup>

\*Pg<sup>o</sup>e -- B bč<sup>o</sup>e/bč<sup>o</sup>e side, edge (of anything).  
 \*Pg<sup>o</sup>(a) -- B bč<sup>o</sup>(a)/bč<sup>o</sup>(a) nine (times).  
 \*Pč<sup>o</sup>a -- B bč<sup>o</sup>a/bč<sup>o</sup>a broad.  
 \*Pč<sup>o</sup>a -- B bč<sup>o</sup>a/bč<sup>o</sup>a sheep's carcass.  
 \*Pč<sup>o</sup>es(a) -- T bč<sup>o</sup>esə S bč<sup>o</sup>esa/... large sheepskin blanket, S also felt foundation in cradle.  
 \*Pč<sup>o</sup>əza, -ča -- B bč<sup>o</sup>əza, bč<sup>o</sup>əča/bč<sup>o</sup>əza narrow, tight.

- \*Pg<sup>o</sup>enž'ə -- T bg<sup>o</sup>enž'-aw/bg<sup>o</sup>enž inclined, bent, crooked.
- \*(P)goə(P)š:ə -- B bg<sup>o</sup>eš:ə/goeps millet-straw.
- \*Pg<sup>o</sup>enλa -- .../bg<sup>o</sup>enλa to tilt, list, itr.
- \*Pg<sup>o</sup>až'ə -- S bg<sup>o</sup>až'ə/... steppe.

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*qap <small>g</small> <sup>o</sup> ə T <u>piece (of cloth, leather)</u>	*haP <small>g</small> <sup>o</sup> a K <u>nest</u>
*P <small>xa</small> (m)(P)g <small>o</small> ə <u>board, plank</u>	*neP <small>g</small> <sup>o</sup> (a) <u>quail</u>
*wep <small>g</small> <sup>o</sup> ə <u>to spread, tr.</u>	*naP <small>g</small> <sup>o</sup> a B <u>nest</u>
*g <small>o</small> əP <small>g</small> <sup>o</sup> a <u>field, steppe</u>	

### 113. h

- \*h(a) -- B hə/hə to carry (off), tr., B yə-hə/yə-hə to carry into, tr.
- \*hə -- B hə/hə to go (only w. local prefixes).
- \*ha -- B hə/hə barley.
- \*hə -- B hə/hə dog.
- \*həž'ə -- B ya-həž'ə/... to yearn, pine for.
- \*həλa -- T həλa/... difficult.
- \*hada -- B həda/hada corpse.
- \*hanchha -- B hənchha/hanca wooden spade.
- \*hac:a -- .../həža grain (of corn, sand), cf. T pšaxoaca grain of sand (pšaxoa sand).
- \*hasa -- B həsa/hasa bed (in garden), plot.
- \*həPse -- T həpse/haps pit for keeping prisoners, T also prison (Tu hapis).
- \*harza -- T hərza/... swan; breaker (wave).
- \*harza -- T hərza/... to soar, hover. Cf. \*xoarza.
- \*hə(n)žoa -- B hənžoa/hava square stack, rick of hay, straw (cf. \*šha(n)ge).
- \*həšoa -- B həšoa/hafa rubber.
- \*həžoə -- T həžoə/hav puppy.
- \*həž'ə(a) -- B həž'ə(a)/həž(a) to grind, (in)tr.
- \*həč'a -- B həč'a/həša guest.
- \*həPš:ə'a -- B həpš:ə/a/... to pant, breathe heavily.
- \*h(a)λa -- B həλa/hala burden, heavy, difficult.
- \*həPλə -- B həpλə/... brown.
- \*həλ(a) -- B həλə/hala wedge.
- \*həPla -- B həbla/habla quarter of village (Tu havālī).
- \*həka -- .../həka hiccup.
- \*hə<sup>m</sup>/Pka -- T həpč'a/hamka gallop (S həpska).
- \*həš'xə -- T da-həš'xə/də-həšx to laugh at sb., itr./to laugh.
- \*hakhoə -- B həkhoə/hako fireplace, oven.
- \*hakoa -- .../hakoa honeycombs with honey.

\*hax<sup>o</sup>e -- B hāfe/hax<sup>o</sup> object borrowed, K also to win (as money), S collective aid.

\*haq:<sup>o</sup>e -- B hāq:<sup>o</sup>e/haq<sup>o</sup> duty, obligation, T also truth, fate (Tu hak).

\*haq<sup>h</sup>o a -- T hāq<sup>o</sup>as<sup>o</sup>a/hāq<sup>o</sup>āfa water-trough for cattle/trough (analysis uncertain; may contain \*q<sup>h</sup>oas<sup>o</sup>a, but cf. also s<sup>o</sup>(a) to drink).

\*haq:<sup>o</sup>(a) -- T hāq<sup>o</sup>e/K dial. hāq<sup>o</sup>a to bark/to make noise.

\*haq<sup>h</sup>o e -- T hāq<sup>h</sup>o e/... mushroom.

\*hawa -- B hāw/hawa no.

\*ham(a) -- B hāma/ham threshing-floor.

\*hara -- T hāra/hara buffalo (cf? Georg. xari ox or Tu hāra stud).

\*\*\*

(In units CVhV the vowel-correspondences show peculiarities. In K, Cə- and Ca- are not distinguished before h, and only Cə is written. Frequently B Cəhə corresponds to T Cəha, and each of these is considered evidence for final -ha. Except in \*λāha, based on S evidence only, all initial segments are given as Cə-).

*Txeħe	K <u>threading of screw</u>	*Pžeha	<u>autumn, S winter</u>
*pħeħa	<u>to cry, howl, sob</u>	*ħaħa	S <u>rivulet</u>
*c:eh(a)	<u>faith, confidence</u>	*geħha	<u>to weed with a hoe</u>
*Pseħ(a)	<u>to temper (metals)</u>	*keħ(a)	<u>long</u>
*ħeħ(a)	<u>deer</u>	*g <sup>o</sup> e(r)ħ(a)	<u>pleasant, tasty</u>
*čħ'eh(a)	<u>to provoke sb.</u>	*qeħha	<u>part, share</u>
*čħ'eha	<u>to roll, wind, wrap</u>	*qħ <sup>o</sup> eha	<u>boat, ship</u>
*č'eh(a)	<u>esteem, honor, authority</u>	*ħeħ(a)	<u>sorcery/poison</u>
*Pč'eh(a)	<u>dream</u>		

### 114. Th

\*Tha -- B thā/tħa God, deity.

\*Tha -- B thā/tħa ear, cf. \*Thag<sup>o</sup>e, \*Thak<sup>h</sup>o a, etc.

\*Tha(m)pħa -- B thāpħa/tħa(m)pa leaf of tree, also in T thāpa-f<sup>o</sup> grey-bearded (-fe white), K λa-thā(m)pa front part of foot λa.

\*Th(a)(m)b<sup>o</sup>e -- B thābe-le S theb<sup>o</sup>e, thābe/tħamb<sup>o</sup>e-l lungs (lə flesh).

\*ThaPz(a) -- B thābz/a/tħabza token, mark, K ?<sup>o</sup>ax<sup>o</sup>-thabza service (?<sup>o</sup>ax<sup>o</sup> business, affair), K wethħabz to mark animals by cutting a piece off the ear.

\*Thaç:<sup>o</sup>e -- B thāç:<sup>o</sup>e/tħav dough made of wheat-flour.

\*Thaç'(a) -- B thāç'(a)/tħaṣ<sup>o</sup> to wash, (in)tr.

\*Thala -- B thāla/tħala to stifle, smother.

\*wethħaga -- .../wethħaga to entreat, make complaints (cf. T thāwesex complaint).

\*Thaka -- .../thaka brim of hat.

\*Thak<sup>h</sup>o a -- B thāk<sup>h</sup>o a/... with short, flapping ears (of horse), cf. B thāk<sup>o</sup>mak<sup>h</sup>o a with short ears.

\*Thak<sup>o</sup>e -- B thak<sup>o</sup>e-ma/thak<sup>o</sup>e-ma ear (for -ma cf? \*t:ama wing).  
 \*Thax<sup>o</sup>e -- .../thax<sup>o</sup> dark-colored cattle or sheep with white ears.  
 \*Thaq:<sup>o</sup>e -- T thaq<sup>o</sup>e-fa/thaq<sup>o</sup> to steal/to confiscate, abduct (T -fa = ?).  
 \*Tharq:<sup>o</sup>a -- T tharq<sup>o</sup>a/thareq<sup>o</sup>a pigeon, dove.  
 \*Thaq<sup>o</sup>e -- T thaq<sup>o</sup>e/... boot-top.

\*\*\*

\*Pc:a(n)Tha joiner's glue shoulder w. leg (of animal)  
 \*g<sup>o</sup>eTha to relieve oneself, urinate  
 \*PlaTha K collarbone, shoulder-blade, \*PsaTha K a heathen god

115. Sh

\*Shā -- B shā/shā head, bulb, ear of corn, top, roof, beginning, etc.  
 \*Shap<sup>h</sup>a -- See PShap<sup>h</sup>a.  
 \*Shant<sup>h</sup>a -- B shant<sup>h</sup>a/shanta pillow, cushion.  
 \*Shanda -- B shanda/... bush, shrub.  
 \*Shata -- T shatā-bg<sup>o</sup>a/... with broad bg<sup>o</sup>a forehead. Cf. \*nata.  
 \*Shac<sup>h</sup>e -- B shac<sup>h</sup>e/shac head-hair.  
 \*Shapca -- T shapca S shapsa/... bare-headed.  
 \*Shapse -- .../shaps light-headed, giddy.  
 \*Shaza -- T shaza/shaza "die Drehkrankheit der Schafe" (Russ. vertjačka).  
 \*Shash<sup>h</sup>a -- B shash<sup>h</sup>a/shasa bow, greeting.  
 \*Shale -- B shale/shal mill, T ca-shale/ža-shal molar (\*c:a tooth).  
 \*Shaxe -- B shaxe/shax laziness, slowness, indolence.  
 \*Shak<sup>o</sup>a -- B shak<sup>o</sup>a/shak<sup>o</sup>a offense taken, touchiness.  
 \*Shax<sup>o</sup>(a) -- B shafe/shax<sup>o</sup>a separate.  
 \*Shaq:a -- T shāqa/... stupid. Cf. \*q:(a).  
 \*Shaq<sup>o</sup>e -- T shā?<sup>o</sup>e/shā?<sup>o</sup> top edge/front part of bride's headdress, T pča-shā?<sup>o</sup>e/bža-shā?<sup>o</sup> threshold.

\*\*\*

*zaShē	<u>alike, similar</u>	*x <sup>o</sup> eShā	K <u>to yawn</u>
*p <sup>h</sup> aShā	<u>in presence of, K also place</u> <u>of honor away from door</u>	*q: <sup>o</sup> eShā	<u>mountain, K also Ossetian, Balkar</u>
*PlaShā	K <u>part of room opposite door</u>	*q <sup>o</sup> eShā	<u>poppy</u>
*PgeShā	<u>mountain-top, upper edge</u>	*q <sup>o</sup> aShā	<u>barrow/hill</u>

116. Lh

\*Lha -- B λha/λha to lay, put, tr. (only w. local prefixes).

\*\*\*

\*g<sup>o</sup>alha T to brood, sit on eggs

\*g<sup>o</sup>alha T to follow, catch hold of

## 117. h

\*ha -- B ā-r/ha-r that (ille) (-r absolute case).

\*haba -- T āba/haba chasuble-type garment.

\*nat:a -- B y-āt:a/hada father (y- 3rd pers. possessive). Cf. \*t:(a).

\*hada -- T āda/... tumor, swelling.

\*haPse -- T āpsə/... wooden bowl.

\*has<sup>o</sup>a -- B ās<sup>o</sup>a/hafa coat of mail.

\*hač:a -- B āč:a/haža he-goat.

\*haPla -- S ābla/... a kind of wheat.

\*haPk:ə -- B āpč:ə/habg glass, window-pane (Oss. avg(æ)).

\*haPča -- S ābča/... divan, couch.

\*haž<sup>o</sup>ə -- S āž<sup>o</sup>ə/... fig.

\*hač<sup>o</sup>ə -- S āč<sup>o</sup>ə/... treebark basket.

\*haPč<sup>o</sup>a -- .../habč<sup>o</sup>a nest (B nābč<sup>o</sup>a).

\*hawa -- āwa/hawa but (poss. modal case of \*ha).

\*hana -- B y-āna/hana mother (y- 3rd pers. possessive). Cf. \*n(a).

## 118. y

\*yə -- .../yə file (implement).

\*y(a) -- B y(a)/y(a) eight (times).

\*y(a) -- B y(a)/y(a) to coat (the walls of a house), (in)tr.

\*ya -- B ya/ya bad, evil; as a suffix w. animal names dung, manure.

\*ya -- B fa-ya/x<sup>o</sup>-ay to wish, itr. (\*x<sup>o</sup>a- for).

\*yene -- B yene/yen big, large.

\*yəzə -- T yəzə/yəz antiquity; ancient.

\*yat<sup>h</sup>a -- T yāta/yāta to rage (of storm), swell (of wound)/to let oneself go, become insolent.

\*yāta -- B yāta/yāta clay, earth, K also mud.

\*yančə -- .../yanč long pole, lever.

\*yase -- T yase/yas manly/tall and well-built (person).

\*yaPzə -- B yabzə/yabz stable manure/slops, swill from stable manure.

\*yaž'a -- B yāž'a/yāža ashes.

\*yaPča -- B yābča/yābča fierce, nasty (as dog), K also brave.

\*yača -- B yāča/yāča eruption, rash, pimple/fault, cause (of stg. bad).

\*yaq<sup>h</sup>ə -- B yaq<sup>h</sup>ə/yaq<sup>o</sup> cud/entrails.

\*yač<sup>o</sup>ə -- B yač<sup>o</sup>ə/yač<sup>o</sup> nasty, malevolent; enemy.

\*yač<sup>o</sup>a -- T yāč<sup>o</sup>a/... mistletoe.

\*yaya -- T yāya/yāya very fat (e.g. cow), K also round, cylindrical.

\*yanə -- .../yan whole (e.g. day).

*p:eyə	<u>enemy</u>	*zəya	<u>to stand apart, avoid stg.</u> (*zə-š'ə-)
*bayə	<u>rich</u>	*P'cəya (-yə?)	T <u>ore</u>
*'pəye	<u>to stick out, be visible</u>	*wəsay(a)	<u>to lean</u>
*dəye	<u>to cool off, harden, grow numb</u>	*zəya	<u>to lift up, turn face up</u> (*da-ğə-)
*dayə	B <u>bad</u>	*Pzay(a)	<u>to lick</u>
*təye	S <u>damp</u>	*wəṣəy(a)	<u>to admonish, exhort</u>
*c:aye	<u>mate, partner</u>	*ṣəya	S <u>squirrel</u>
*P'cəye (-ya?)	T <u>ore</u>	*zəya	<u>small</u>
*sayə	<u>to be filled up (as ditch)</u>	*ṣ'əy(a)	<u>to whistle</u>
*səye	<u>black maple/spruce, fir</u>	*ṣ'əya	B <u>rat</u>
*l'zəye	<u>(light)ray</u>	*č:əya	<u>to sleep</u>
*Pzəye	K <u>corn-stalk</u>	*λaya	<u>woollen gaiters</u>
*ṣ'əye	T <u>to squeak, cheep</u>	*λaya	<u>to move in jumps, B also to go to roost</u>
*ṣ'əye	<u>dirty</u>	*ləya	<u>superfluous, harm</u>
*č'ə(a)ye	<u>to stick out (as hand)</u>	*kʰaya	<u>tub</u>
*Pč:əye	<u>plane-tree</u>	*gəya	K <u>smooth (of ice)</u>
*wəλəye	<u>to rust</u>	*gaya	<u>sheat-fish/whale</u>
*kʰəye	<u>wattle</u>	*kaya	<u>ash-tree</u>
*k:əye	<u>(inside of) throat</u>	*Pkaya	<u>maple</u>
*kəye	<u>to shriek, howl</u>	*xəya	<u>innocent</u>
*kayə	T <u>valley</u> S <u>stream</u>	*xaya	S <u>a measure of millet (144 bundles)</u>
*kʰəye	<u>(quarter of) settlement</u>	*gəy(a)	<u>to chide</u>
*x'əye	<u>white maple/kind of birch</u>	*gəyə	<u>dove-grey</u>
*Tx'əye	<u>beech, hornbeam</u>	*g'əya	T <u>malicious, mean</u>
*q:əye	<u>to belch, B also hiccup</u>	*g'əya	S <u>quantity of grain which fills one mortar or oven</u>
*xəye	K <u>excitement, fury</u>	*wəq:əya	See *wəq:əya
*ṣ'əye	See *ṣ'əye	*q'əya	<u>foot-and-mouth disease</u>
*ṣ'əye	<u>small (potatoes, change)</u>	*wəTx'əya	S <u>to get covered w. mould</u>
*q:əye	<u>mangy</u>	*g'əya	<u>difficult</u>
*q'əye	<u>to bleat</u>	*yaya	<u>very fat (e.g. cow), K also round, cylindrical</u>
*x'əye	<u>in abundance</u>	*waya	<u>bad weather</u>
*Tx'əye	<u>polygonum convolvulus</u>	*məya	<u>wild apple tree</u>
*g'ə(a)ye	<u>thicket</u>	*maya	K <u>nutritious, rich (food)</u>
*wəg'əye	<u>to collect, bring together</u>	*naya	<u>spite, anger, malice</u>
*bəya	S <u>mole (zool.)</u>		
*t:aya	B <u>(package of) neatly arranged things</u>		
*təya	<u>to stick out, stand on end, be bent upward</u>		
*cʰəya	<u>cherkeska</u>		

## 119. w

\*wə -- B wə/wə to put into, insert, thread (a needle), tr. (only w. local prefixes).

\*wə -- T tya-wə/tay-w to stop (of rain), change for the better (of weather), itr. (\*tʰya- surface, on).

\*w(a) -- B w(a)/w(a) to beat, strike, shoot, sting, attack, itr. (\*wə only w. local prefixes), B wa/wa to smoothe (a threshing floor), tr.

\*w(a) -- T wa/... to shrink, collapse, itr., T pə-wə/... to diminish, itr. (pə- tip).

\*wa -- B wa/wa to plait (a round galloon of silk), tr.

\*wa -- B wa-ʂ°ə/wa hail (meteorol.).

\*wa -- B wa-/wa- weather, air, sky, cf. \*wasə, \*wag°ə, etc.

\*wa -- B wa/wa you, sing.

\*web(a) -- B web(a)/web(a) to trample, pound, crush; to slander, (in)tr.

\*wəpa -- B wəpa/wəpa to cut open (an animal)/to skin.

\*wətʰa -- B wətʰa/wəta to trample, to knead clay with the feet.

\*wət:(a) -- B wət:(a)/wəd(a) to pound, thresh (sunflower seeds, maize), beat (egg), knead, break off.

\*wət:(a) -- T ya-wətə/wəda to sow by hand, K xa-wəda to strew, pour into (e.g. flour into dough) (xa- mass).

\*wəde -- B wədə/wed witch.

\*wəc:ə -- B wəc:ə/wəʒ grass.

\*wəFcə -- .../wəpc to splash, spatter, tr.

\*wəʂ°ca -- ʂ λə-wəʂ°ta/... bruise (λə blood).

\*wəs(a) -- T wəsə/wəs(a) to compose (song), write (story), (in)tr., K wə-sa verse, poem.

\*wəPs(a) -- B wəpsə/wəps(a) to plane, shave (also shave the face), (in)tr.

\*wəzə -- B wəzə/wəz pain, disease.

\*wəPza -- T wəbzə/wəbzə to try to ingratiate oneself.

\*wəsə -- T wəsə/wəs to trot.

\*wəsa -- T wəsa/... to stuff, fill.

\*wəc:°(a) -- B wəc:°ə/wəv to stand (up), to stop, halt, B wəc:°a to get tired, B tʰya-wəc:°a/tay-wəva to step on \*tʰya-.

\*wəʂ°a -- .../wəfa to cover, itr. and tr. Cf. \*ʂ°a hide, etc.

\*wəcʰ'ə -- T qa-wəs'ə/qa-wəs to wake up (\*q:a- hither).

\*wəPc'(a) -- T wəpc'ə/pə-wəpʂ to mow off, cut off (pə- tip), K xa-wəpʂə to make a notch (xa- mass).

\*wəPc'ə -- B wəpc'ə/wəpʂə felt.

\*wəz'(a) -- B wəz'ə/wəzə weasel.

\*wəPc(a) -- B wəpcə/wəpʂə, ya-wəpʂ to ask.

\*w(a)čə -- B wačə/wəš open place at riverbank/to gape, open wide (mouth, hand).

\*wəžə -- B wəžə/λa-wəž tracks (λa foot).

\*wəPla -- B wəbla/wəbla to begin.

\*wəge -- B wəʒ'ə/wəg a round dance with singing.

\*wəkə -- B wəc'ə/wək to kill.

\*wəxe -- B wəxe/wəx to finish.

\*wəTx(a) -- B wətxa/wətx(a) to splash, spatter. (in)tr. Cf. Twəzəntxa/wəbzətxa to spit, itr.

\*wəx<sup>o</sup>a -- T wəfa/zə-wəx<sup>o</sup>a to bend, tr./to bend oneself zə-.

\*wəx<sup>o</sup>a -- .../wəx<sup>o</sup>a to build, tr.

\*wəTx<sup>o</sup>(a) -- S xa-wetfa, ya-wətfe/... to thrust, stab, prick, itr. (xa- mass).

\*wəšx<sup>o</sup>ə -- T wəšx<sup>o</sup>ə/... to spread out, tr.

\*wəq:ə -- T wəqə/wəq<sup>1</sup> to open wide, distend, tr.

\*wəq<sup>1</sup>a -- B wəq<sup>1</sup>a/wəq<sup>1</sup>a to wound, tr.

\*wəšg(a) -- B to peel, pearl (barley), (in)tr.

\*wəq<sup>h</sup>o a -- B wəq<sup>h</sup>o a/wəq<sup>o</sup>a to break off and fall down/to whirl up, K wəq<sup>o</sup>a-ž to be scattered all over (-ž again, as previously), B x-ya-wəq<sup>h</sup>o a to make a mistake, SM wəx<sup>o</sup>a to cause a defect, foul up, K ga-wəq<sup>o</sup>a to destroy (e.g. a bird's nest).

\*wəq:<sup>o</sup>(a) -- T š'ə-wəq<sup>o</sup>ə/šha-wəq<sup>o</sup>a top part drops down/to doze (the latter in T šha-wəq<sup>1</sup>a). The T form quoted may reflect \*wəq<sup>h</sup>o a.

\*wəq<sup>o</sup>(a) -- B wəq<sup>o</sup>(a)/wəq<sup>o</sup>(a) to peck, (in)tr. (T, K tr. also to sharpen by hammering (as scythe)).

\*wəx<sup>o</sup>a -- T wəx<sup>o</sup>a/wəx<sup>o</sup>a-nš easy to split/to limb, remove branches from, tr.

\*wəPx<sup>o</sup>ə -- T wəpx<sup>o</sup>ə/... to touch up, rectify, to cut (hair).

\*wəTx<sup>o</sup>a -- T wətx<sup>o</sup>a/wətx<sup>o</sup>a to become turbid, muddy (of water).

\*wəPg<sup>o</sup>ə -- B wəbḡ<sup>o</sup>ə/wəbḡ<sup>o</sup> to spread, tr.

\*wəma -- T wəma/wəma wooden club for hammering in piles, wedges, etc.

\*wəna -- B wəna/wəna house.

\*wəPSka -- .../ša-wəpska to rock, swing, tr. (ša- under).

\*wəSTx<sup>o</sup>a -- T wəstx<sup>o</sup>a/... to glow (as coals).

\*wat:a -- B wāt:a/wāda hammer.

\*wadə -- B wadə/wad thin (of person).

\*wəsə -- B wəsə/wəsə snow.

\*wəsa -- B wāsa/wāsa price.

\*wəš<sup>o</sup>ə -- B wəš<sup>o</sup>ə/... hail (meteorol.).

\*wəš<sup>o</sup>a -- B wāš<sup>o</sup>a/wāfa sky, heaven.

\*wəš<sup>o</sup>ə -- B wəš<sup>o</sup>ə/waf<sup>1</sup> fine weather.

\*wəš<sup>h</sup>ə -- B wəš<sup>h</sup>ə/wəš<sup>1</sup> axe.

\*wəla -- E wāla/... to totter, reel, T wave, to undulate.

\*wala -- .../wāla cloud.

\*waxə -- T waxə/wax lowland, depression (geogr.).

\*wəš'xə -- B wāš'xə/wašx rain.

\*wəg<sup>o</sup>ə -- T wag<sup>o</sup>ə/wag<sup>o</sup> sky, heaven.

\*wag<sup>o</sup>ə -- B wag<sup>o</sup>ə/wag<sup>o</sup> freckled, T also grey.

*warq:ə	-- T warqə/warq <u>nobleman</u> .
*waḡa	-- B waḡa/waḡa <u>ribbon, lace, balloon</u> , T also <u>to braid, weave</u> .
*waḡa	-- T waḡa-n/... <u>to churn (butter)</u> .
*wa᷑ə	-- T wa᷑ə/... <u>to err, miss a target</u> .
*wa᷑ə	-- .../wa᷑ə <u>to misfire</u> .
*wa᷑a	-- .../wa᷑a <u>(blue) sky</u> .
*wa᷑ə	-- B wa᷑ə/wa᷑ə <u>drought</u> .
*waya	-- B wāya/wāya, way <u>bad weather (snow, rain, storm, cold)</u> .
*wame	-- .../wam <u>hot weather, stifling</u> .
*wana	-- B wāna/wāna <u>saddle</u> .
*ware	-- T ware/war <u>wave; turbulent</u> .

\*\*\*

*bewə	<u>to moo</u>	*x̥ewə	B <u>grey shrike</u> T <u>jay</u>
*t:ewə	<u>storehouse for grain</u>	*x̥əwə	T <u>deep ravine</u>
*tawə	T <u>to bump (one's head)</u>	*g̥əwə	<u>town crier</u>
*c̥ewə	<u>to shine, glitter</u> , K also <u>to squeak, cheep</u>	*maw	<u>thither/that (iste)</u>
*p̥awə	B <u>to yelp</u>	*baw(a)	<u>to kiss/to breathe</u>
*psawə	<u>to live</u> , K also <u>healthy, whole, all</u>	*dəwa	<u>leech</u>
*pzewə	<u>sparrow, bird (generic)</u>	*dawa	<u>to quarrel, have a lawsuit</u>
*zawə	B Russ. <u>xozjain</u>	*z̥əwa	T <u>sack</u>
*s̥əwə	<u>honey</u>	*psawa	T <u>to take aim</u>
*z̥əwə	<u>to buzz, hum</u>	*z̥awa	<u>war, battle</u>
*č̥əwə	<u>to salt</u>	*š̥awa	<u>youth, esp. bridegroom</u> , T also <u>son</u>
*p̥č̥awə	<u>to yelp</u>	*č̥əwa	Russ. <u>podpevat'</u>
*č̥əwə	<u>horseman</u>	*č̥aw(a)	<u>shadow, shade</u> , K also <u>parasol, umbrella</u>
*lawə	<u>pig</u>	*č̥awa	<u>horse-driver, teamster</u>
*wəlawə	T <u>to get tired</u>	*λawa	<u>scalpel for blood-letting</u>
*k̥awə	<u>wattle fencing; farmstead</u>	*pkawa	K <u>grasshopper</u>
*s̥xewə	<u>sour milk</u>	*txewə	<u>to kick (of horse)</u>
*k̥əwə	<u>deep</u>	*g̥əwa	<u>(to cause) injury</u>
*k̥əwə	<u>to shout</u>	*hawa	<u>no</u>
*q̥əwə	<u>swan</u>	*hawa	<u>but</u>
*pq̥awə	<u>pillar, post</u>	*n(a)wa	<u>old woman, granny</u>

## 120. m

*mə	-- B mə/mə <u>wild apple</u> .
*mə	-- B mə-/mə- <u>this (hic)</u> .
*mə	-- B mə-/mə- negative prefix, cf. *məx̥ə, *məg̥ə, etc.

\*ma -- .../ma there you are! (handing stg.) (B mā).

\*ma -- B ma/ma smell, odor.

\*məs(a) -- B məsa/məsa guilty, culprit, T also foreign, K also dishonest, uneducable, T wə-məsə/wə-məs to unmask, catch in a lie, prove wrong, tr.

\*məša -- B məša/məša bear.

\*məž<sup>o</sup>a -- B məž<sup>o</sup>a/məva stone.

\*məč(a) -- B məča T məčə/məša precious stone (set in ring).

\*məle -- B məle/mel ice.

\*məšk<sup>o</sup>ə -- B məšk<sup>o</sup>ə/məšk<sup>o</sup> acorn. Cf. \*məšx<sup>o</sup>ə.

\*məšx<sup>o</sup>ə -- SM məfə/məšx<sup>o</sup>ə(m)pa acorn. Cf. \*məšk<sup>o</sup>ə.

\*məSTčka -- B məstčka Š məšča/... ash-tree, S T elm.

\*məx<sup>o</sup>ə -- B məx<sup>o</sup>ə/məx<sup>o</sup> unripe.

\*məSTč<sup>o</sup>ə -- T məstč<sup>o</sup>ə/... pitch, refined wax.

\*məg<sup>o</sup>a -- B məg<sup>o</sup>a/məg<sup>o</sup>a poor, unfortunate.

\*məya -- B məya/may wild apple tree.

\*maw -- B maw/maw- thither/that (iste).

\*math<sup>h</sup>a -- B māth<sup>h</sup>a/māta basket, beehive.

\*maSt<sup>h</sup>a -- B māst<sup>h</sup>a/māsta needle.

\*ma(r)t:a -- T māta/mārda quantity, measure.

\*mača -- B māča/māča locust.

\*mazə -- B mazə/maz forest.

\*maza -- B māza/māza moon, month.

\*maš<sup>o</sup>a -- B māš<sup>o</sup>a/māfa fire.

\*mač<sup>h</sup>ə -- B maš<sup>h</sup>ə/māš millet (on the field), T maq<sup>o</sup>-maš'ə/maq<sup>o</sup>maš api-culture, cf. \*maq:<sup>o</sup>ə.

\*marč'a -- T mārč'/mārža (interjection) let's go!/call (to a group).

\*mač'a -- B māč'a/māča (a) little, few.

\*maž'a -- B māž'a/māža comb.

\*maš:a -- B māš:a/māša hole, hollow.

\*male -- B male/mal sheep (cf. Tu mal possession).

\*mašča -- .../māšča spark.

\*max(a) -- B maxə/max to faint, to be tired, worn out, māxa/māxa weak (of things), brittle.

\*mark<sup>h</sup>o a -- B mārk<sup>h</sup>o a/mārk<sup>o</sup> a tapeworm.

\*mark<sup>o</sup>a -- T mārk<sup>o</sup> a/mārak<sup>o</sup> a mulberry, blackberry, S wild strawberry/berries (generic). K a unexplained.

\*max<sup>o</sup>a -- B māfa/māx<sup>o</sup>a day.

\*max<sup>o</sup>a -- B māfa/māx<sup>o</sup>a happy.

\*wəmačə -- T wəmačə/... to bless, to baptize.

\*mača -- T māča/... sharp pain due to inflammation of nerve.

\*maq:<sup>o</sup>ə -- B maq:<sup>o</sup>ə/maq<sup>o</sup> hay.

\*maq<sup>o</sup>ə -- T maq<sup>o</sup>ə/maq<sup>o</sup> shield.

\*maya -- .../maya nutritious, rich (of food).  
 \*wəmama -- .../wəmāma to wag the tail.  
 \*mana -- B māna/māna penis.

\*\*\*

*č:’ame	<u>cow</u>	*čama	<u>cakes for funeral repast</u>
*Pžemə	T <u>fist</u>	*Pžama	T <u>bunch of hemp for spinning</u>
*k <sup>h</sup> ame	K <u>to be insufficient, lack</u>	*x(a)ma	<u>foreign, unknown, stranger</u>
*x <sup>o</sup> ame	<u>quiet, slow</u>	*k:’ama	T <u>twig (K -na)</u>
*g <sup>o</sup> eme	<u>thick (cylindrical)</u>	*q:ama	<u>dagger</u>
*wame	K <u>hot weather, stifling</u>	*q:’ama	S <u>twig</u>
*p <sup>h</sup> am(a)	<u>to smell</u>	*x <sup>o</sup> ema	<u>to protect, save, spare</u>
*bama	<u>stench</u>	*g <sup>o</sup> ama	<u>smell/foul, filth</u>
*t:ama	<u>wing</u>	*ħam(a)	<u>threshing-floor</u>
*s(a)ma	<u>ill; left (side)</u>	*wema	<u>wooden club for hammering</u>
*sama	<u>heap</u>	*wəmama	K <u>to wag the tail</u>

121. n

\*n(a) -- B nə, yāna/hana mother, B nāna/nāna mamma/grandmother, granny.  
 \*n(a) -- B q:a-na-n/qā-na to remain (\*q:a- hither; often with other, local prefixes), B xa-nə/xa-n to miss out on stg., remain without (xa- mass, group).  
 \*na -- B na/na eye (also of needle).  
 \*na -- B č:a-na-n/ša-na to catch fire (\*č:a- lit. under), T xa-ča-nā-ča lighted (xa- mass, -ča past), K pə-ča-na to light (pə- tip).  
 \*na -- B -na/-na suffix of fractional numbers, e.g. \*Pħa-na one fourth.  
 \*nephə -- .../nep flag.  
 \*neba -- B neba/neba belly.  
 \*nepča -- S nepša/... intestines.  
 \*nesa -- B nesa/nesa (father's) brother's wife, daughter-in-law (cf? IE \*snusó-, also Tu nisa women).  
 \*nēč<sup>h</sup>’e -- T nēš’e/nēš animal killed in honor of guest.  
 \*nēPž’e -- B nēbž’e/nēbž age, K also shadow (in T nēbž’eq<sup>o</sup>).  
 \*nēg(a) -- B nēž’e/nēga floodlands, water-meadow, T also sandbar.  
 \*nēxe -- T nēxe/... aspen.  
 \*n(a)šk<sup>o</sup>e -- B ġa-wē-našk<sup>o</sup>e/ġa-nēšk<sup>o</sup> to chew.  
 \*nēx<sup>o</sup>e -- .../nēx<sup>o</sup> sheep's rectum.  
 \*nēq:<sup>o</sup>a -- B nēq:<sup>o</sup>a/nēq<sup>o</sup>a half; to be in need of.  
 \*nēPğ<sup>o</sup>(a) -- B nēbğ<sup>o</sup>e/nēbğ<sup>o</sup>a quail.  
 \*napha -- B nāphā/nāpa face.  
 \*napa -- B nāpā/nāpa eyelid.  
 \*narth<sup>h</sup>e -- B nārth<sup>h</sup>e/nārt Nart (mythical hero).

\*nat:ə -- T nate/nad goatskin sack.

\*nade -- T nadə/... fine (about mesh).

\*nada -- T nāda/nāda empty, without kernel (as seed, nut).

\*wənatə -- .../wənat to direct, level at, tr., to be directed to, itr.  
(the T counterpart is fa-wəc'ənate).

\*nāta -- B nāta/nāta forehead.

\*narc:a -- B nāpc:a/nābʒa eyebrow.

\*nāca -- B nāca, č'a-nacə/nāca, ša-nač to wish, desire, hanker for.

\*naFčə -- B napčə/napč false, deceptive.

\*naPse -- B napse/naps tear(s).

\*nazə -- B nazə/naz hem, border, edge (of fabrics).

\*naza -- B nāza/nāza squint-eyed, B wənāza/wənaza head spins.

\*nāsa -- T nāša/... browridges.

\*nāzə -- T ya-nazə/... to be keen on stg.

\*naPša -- B nāpša/nāpša browridges.

\*naš°ə -- B naš°ə/naf blind.

\*wənaš°a -- T wənāš°a/wənāfa order, instruction, decree. May contain \*wəna.

\*naš°ə -- B naš°ə/naf benevolent.

\*načʰ'a -- T nāš'a/nāša squint-eyed.

\*nač'ə -- B nač'ə/naš empty, not having eaten.

\*nač'a -- T č'a-nač'a/ša-nāša to chaff, tease, mock, itr.

\*nāča -- B nāča/naš-ša hollow under eyes.

\*naš:a -- B nāš:a/nāša melon/cucumber, B naš:a-bag°ə cucumber.

\*nāla -- B nāla/nāla a single (hair)/fibre, filament.

\*nag(a) -- T naž'a-?°əž'a/naga-?°əga misshapen, K bzaga-nāga bad, nasty, evil, K wə-nag to disfigure.

\*naka -- T nač'a/nāka wink/outer corner of eye.

\*naxa -- S nāxa/... face.

\*na(r)P̄(a) -- S nabğə/narebğə person (T nabğera).

\*nag°ə -- B nag°ə/nag° face.

\*nak°ə -- B nak°ə/nak° face/cheek; mountainside.

\*nax°ə -- B nafə/nax° light, clear.

\*nax°a -- B nāfa/nāx°a definite, clear, obvious.

\*naq:ə -- S naq:ə/... to flower, bloom.

\*naPq:ə -- B napq:ə/napq cheekbone; riverbank.

\*naqa -- T nā?a/na?a attention, care.

\*našxə -- B našxə-ya/našx sad/(stern, angry) glance, K našx-ay sad, našx-  
fa gay. Cf. \*našgə.

\*naPğə -- B nābğə/nābğə nearsighted.

\*našgə -- T nažgə/nažg eye-socket, T also glance, K also temple. Cf. \*našxə.

\*naq°ə -- B na?°ə/na?° face.

\*naq°a -- B nā?°a/na?°a well-known, distinguished, T also to give oneself airs, K also clear-cut, distinct.

\*na<sup>č</sup>ə -- T na<sup>č</sup>ə/na<sup>č</sup> wide (of mesh)/big-eyed.  
 \*na<sup>č</sup>ə -- T na<sup>č</sup>ə/... crop of bird.  
 \*na<sup>č</sup>ə -- B nab<sup>č</sup>ə/... nest (K hab<sup>č</sup>ə).  
 \*naya -- B naya/nay spite, anger, malice.  
 \*n(a)wa -- B nawa/nawa-<sup>č</sup> old woman, granny (-<sup>č</sup> old).  
 \*\*\*

*bənə	<u>(children of) family</u>	*š <sup>č</sup> əna	<u>hoe</u>
*bane	<u>coffin, T grave</u>	*č <sup>č</sup> əna	<u>to be afraid</u>
*č <sup>č</sup> əne	<u>pus, abscess, boil</u>	*Pč <sup>č</sup> ən(a)	<u>to compensate, pay a debt</u>
*č <sup>č</sup> əne	<u>sharp (as knife), lively</u>	*Pč <sup>č</sup> əna	<u>accordion</u>
*Pč <sup>č</sup> əne	<u>she-goat</u>	*š <sup>č</sup> əna	B <u>moist</u>
*Pž <sup>č</sup> əne	<u>onion</u>	*λəna	<u>birds' fat</u>
*š <sup>č</sup> əne	<u>character / manners</u>	*λana	<u>oath</u> (*Tha-)
*Plənə	<u>wall, corner</u>	*Plana	<u>doe</u>
*k <sup>č</sup> əne	<u>top (toy for spinning)</u>	*Plana	<u>energetic, brave/strong</u>
*k <sup>č</sup> əne	<u>bone used for game</u>	*gana	<u>shirt</u>
*gənə	<u>(gun)powder, K also poison</u>	*kana	K <u>piece, lump</u>
*gənə	<u>beet, parsnip</u>	*xəna	<u>lazy</u> (Sha-)
*k <sup>č</sup> əne	<u>covered wattle granary</u>	*Pgəna	<u>to leave, desert</u>
*wex <sup>č</sup> əne	K <u>to plait, braid</u>	*Pgəna	<u>sheaf/tie around sheaf</u>
*q <sup>č</sup> əne	<u>ward, pupil</u>	*k <sup>č</sup> əna	See *k <sup>č</sup> əma
*q <sup>č</sup> əne	<u>wood betony</u>	*Sk <sup>č</sup> əna	T <u>noose</u>
*Pq <sup>č</sup> əne	T <u>scale of fish</u>	*Pq <sup>č</sup> əna	<u>(dye made of) henna</u>
*x <sup>č</sup> əne	K <u>meadow grass</u>	*q <sup>č</sup> ana	<u>small 3-legged table</u>
*g <sup>č</sup> əne	T <u>rotten wood (used for smoking out bees)</u>	*Pxana	T <u>square on chessboard</u>
*yənə	<u>big</u>	*g <sup>č</sup> ana	K <u>what is mowed off with one sweep of the scythe</u>
*yane	K <u>whole (e.g. day)</u>	*q <sup>č</sup> əna	<u>nail</u>
*p <sup>č</sup> əna	<u>prickle, thorn(bush), T also splinter</u>	*Tq <sup>č</sup> əna	<u>one wife in relation to other</u>
*ban(a)	<u>to fight</u>	*x <sup>č</sup> ən(a)	<u>moth</u>
*bana	<u>to bark</u>	*x <sup>č</sup> ən(a)	<u>to curse, use expletives</u>
*p <sup>č</sup> əna	<u>small kerchief</u>	*g <sup>č</sup> əna	<u>edge, border</u>
*dana	<u>silk</u>	*g <sup>č</sup> ən(a)	<u>hole</u>
*čən(a)	<u>moist, unripe, uncooked</u>	*hana	<u>mother</u>
*Pčən(a)	<u>naked</u>	*wəna	<u>house</u>
*sən(a)	<u>(stone) idol, statue</u>	*wana	<u>saddle</u>
*sana	<u>grape</u>	*mana	<u>penis</u>
*Psəna	<u>well/spring</u>		
*š <sup>č</sup> əna	<u>lamb</u>		
*Pžana	<u>finger-, toe-nail</u>		

## 122. r

\*\*\*

*St:ere	T <u>hot, bitter, sharp (taste)</u>	*x:are	K <u>parable</u>
*S:t:ere	T <u>to kick</u>	*Sx:are	T <u>alarm, pursuit, chase</u>
*č:ere	<u>young of animal or bird</u>	*ware	<u>wave; turbulent</u>
*Pč:are	<u>fatty layer, fat</u>	*tara	T <u>to sport, gambol (horse)</u>
*č:ere	<u>steel</u>	*ser(a)	K <u>bitter (taste), beer</u>
*λere	<u>strip of skin, T also belt</u> (*š:a-)	*sera	<u>cupboard</u>
*kerə	<u>thick, dense, long (hair),</u> <u>high (grass)</u>	*č:ar(a)	<u>a certain, some</u>
*Pxere	<u>sheaf, bundle</u>	*x:ara	<u>thoroughbred horse</u>
*q:ere	<u>stony land, rock</u>	*q:ara	<u>black</u>
*xare	<u>grating, K also lace</u>	*Sxara	K <u>north</u>
*Pxare	<u>alarm, pursuit, chase</u>	*q:əra	B <u>dry stalks or grass/rough</u> <u>(as hides)</u>
*gare	<u>prisoner</u>	*hara	<u>buffalo</u>

123. PS:t<sup>h</sup>

\*PS:t<sup>h</sup>(a) -- B pš:t<sup>h</sup>a/pšte to boil (of milk), to ferment, B also to get puffed up. Prob. contraction of \*Pš:’et<sup>h</sup>a, cf. \*Pš:’e to swell up.

## 124. PSt:

\*PSt:awə -- B pst:awə/... whole, all. Cf. \*Psawə.

125. PSk<sup>h</sup>

\*PSk<sup>h</sup>a -- B pč:h:a S psk<sup>h</sup>a/pska to cough.

\*\*\*

\*g:əePSk<sup>h</sup>a S bronchitis

## 126. PSk

\*PSk<sup>h</sup>e -- B ze-ča-pč:’e S ze-ča-psk<sup>h</sup>e/ze-ča-psk<sup>h</sup> to wash, bathe oneself ze-. Prob. contraction of \*Psek<sup>h</sup>e, cf. \*Pse water, \*ka to pour in.

\*\*\*

\*wəPSka K to rock, swing, tr.

\*x:əaPSk<sup>h</sup>e lightning flashes; lightning

127. PSk<sup>o</sup>

\*Psk<sup>o</sup>e -- .../ča-psk<sup>o</sup> to hide, tr.

128. STx

\*STx̥a -- T stx̥a/... to coarsen, chap, become rough.

\*\*\*

\*paSTx̥a to scratch

\*məSTx̥a B ash-tree T elm

129. STx̥o

\*\*\*

\*məSTx̥o e T pitch, refined wax

\*wəSTx̥o a T to glow (as coals)

130. PSh

\*(P)shapʰa ---.../(p)shapa useful, usefulness.

---

ADDENDA to p. 22 (no. 20. Pč, Š°č)

\*Pč:aš°ča lead (metal)

\*q:əš°ča plum

\*Pč'aš°ča drone

\*wəš°ča S bruise (λε-)

\*leš°ča T S birthmark

ADDENDUM to p. 30 (no. 31. çʰo)

Mr. John Colarusso of Belmont, Mass., U.S.A. by letter calls attention to Be fax̥a to crawl along the ground; to rub against stg. (Alparslan and Dumézil, Journal Asiatique, vol. 252, 1964 p. 329), a welcome addition to the scarce E.Circ. representatives of \*çʰo (to \*çʰoax̥a).

CORRECTIONS

P. 15 line 2: \*q:ərth̥e is not in its alphabetic place and should be shifted to the lower left column on p. 14.

P. 80 line 15: eliminate \*həλa (the word falls under \*h(a)λa).



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